

RECORD OF PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF THE  
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1980 to June 30, 1981

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1980-1981

THE OHIO STATE UNIVERSITY

Harold L. Enarson, President

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
Patricia D. James, Cleveland	July 18, 1972	May 13, 1981
Chester Devenow, Toledo	May 14, 1973	May 13, 1982
Warren J Smith, Columbus	January 6, 1975	May 13, 1983
John D. Jacob, Columbus	May 14, 1975	May 13, 1984
Donald James Hilliker, Bellefontaine	May 14, 1976	May 13, 1985
John F. Havens, Delaware	May 14, 1977	May 13, 1986
Daniel M. Galbreath, Columbus	May 14, 1978	May 13, 1987
Edmund C. Redman, Columbus	May 14, 1979	May 13, 1988
Leonard J. Immke, Columbus	May 14, 1980	May 13, 1989
John W. Berry, Dayton	May 14, 1981	May 13, 1990

OFFICERS

Chester Devenow, Chairman  
Warren J Smith, Vice Chairman  
Madison H. Scott, Secretary  
Richard D. Jackson, Acting Treasurer

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND FIFTY-NINTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 11, 1980

The Board of Trustees met at its regular monthly meeting on Friday, July 11, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

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Minutes of the last meeting were approved.

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July 11, 1980 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related issues.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, and Leonard J. Immke.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### RESOLUTIONS IN MEMORIAM

Resolution No. 81-1

*Synopsis: Resolutions honoring the service of four of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Galbreath, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Ernest R. Godfrey

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 12, 1980, of Ernest R. Godfrey, Professor Emeritus in the School of Health, Physical Education, and Recreation.

Ernest R. Godfrey was a member of The Ohio State University Department of Athletics from 1929 until his retirement in June, 1962. During this 33-year period, he was always identified with the intercollegiate football program. As a coach, counselor, and coordinator of the work program for athletes, Mr. Godfrey was a positive influence on over 3,000 student athletes at Ohio State. Through his efforts in the job program, countless student athletes were able to finance educational costs and earn degrees.

Mr. Godfrey was born April 19, 1892 in Dover, Ohio. He entered Ohio State University in the Fall of 1911 and graduated in 1915 with a B.A. degree. As an undergraduate, he played football and basketball. After college, he coached football at Wooster High School in 1915, and the following year became athletic director and head football coach at Wittenberg College. He served in the U. S. Army for two years in World War I but returned to Wittenberg after his discharge in 1919. During the 11-year period at Wittenberg, Mr. Godfrey's football teams won 63 and lost 24, while his basketball teams compiled a 95-65 record.

In 1929, he came to Ohio State and began a long and distinguished career as a successful and well-respected assistant football coach and administrator. He became a national authority on the art of place-kicking, developing a number of great place-kickers at Ohio State. He was in great demand as a clinic speaker and lecturer on this specialty.

July 11, 1980 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Ernest R. Godfrey (contd)

Mr. Godfrey was inducted into the National Football Foundation and Hall of Fame in 1972. The largest single Hall of Fame chapter in the nation, in Columbus, Ohio, is named after him.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Preston M. Harris

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 11, 1980, of Preston M. Harris, Professor Emeritus in the Department of Chemistry.

Professor Harris was born in Springfield, Ohio, on March 28, 1902. He began his professional career at Wittenberg College where he obtained the A.B. degree in 1924. He earned M.A. and Ph.D. degrees in Chemistry at The Ohio State University in 1925 and 1928, respectively. He held teaching appointments at Kansas State University in 1925-26 and at Ohio Northern University in 1927-28. After completing the Ph.D. degree, Dr. Harris was appointed as a National Research Fellow in Physics at the University of Chicago in 1929. Subsequently, he was a Research Associate at Princeton University in 1930, a Loomis Institute Fellow in 1931, and a Research Associate at Ohio State from 1932-34. He was appointed as Instructor in Chemistry at Ohio State in 1934, promoted to Assistant Professor in 1938, Associate Professor in 1942, and Professor in 1945. During 1943-45, Dr. Harris worked on the Manhattan District Project for the University of California. He retired from the Department of Chemistry in 1972; he then was appointed Professor Emeritus by the Board of Trustees at The Ohio State University.

Professor Harris' research was concerned with pioneering methods for the determination of crystal structures by x-ray and neutron diffraction. As a part of that research, Professor Harris and his students developed explanations for the process of crystallization, order-disorder transformations in solids, and charge distributions and vibrations of lithium salts in the solid state. He also developed a photo cell for the Army's Engineering, Research, and Development Laboratory.

Dr. Harris was a member of the American Physics Society, the American Crystallographic Society, Sigma Xi, and he was elected as an associate member of the Phi Lambda Upsilon and Gamma Alpha honoraries.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

July 11, 1980 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Richard B. Hull

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 15, 1980, of Richard B. Hull, Professor Emeritus in the Department of Communication.

Professor Hull was born February 14, 1914, in Charles City, Iowa, and received his bachelor of science degree from Iowa State College in 1938. He later attended the Army Special Training Unit at Oregon State College and served with the U. S. Army Signal Corps during World War II.

A member of the Ohio Educational Television (now Broadcasting) Network Commission from its creation in 1961, he served as its only chairman until the expiration of his fourth term in 1976. It was in his honor that the name of the Network Operations, Tape Duplicating, and Switching Center in Columbus was changed in late 1975 to the Richard B. Hull Operations Center.

Professor Hull was associated with journalism and speech faculties at Iowa State University and with the communication and education faculties at The Ohio State University. While at Iowa State, from 1941 to 1955, he was director of WOI Radio and was cited for his leadership in the development of WOI-TV, the first college-owned commercial television channel in the country. Immediately before joining the Ohio State faculty in 1956, he headed a national one-year study of educational television sponsored by the Ford Foundation Fund for Adult Education on behalf of the National Educational Television and Radio Center. In 1975, he retired as director of the Telecommunications Center.

Professor Hull was the first executive director of the Joint Council on Educational Television. He also served as president of the Ohio Council on Educational Television and as vice-chairman of the Ohio Governor's Interim Commission on Educational Television.

He was a member of the board of directors of the National Educational Television and Radio Center in New York City, a member of the instructional technology committee of the North Central Association of Colleges and Secondary Schools, and was chairman of the Great Plains National Instructional Television Library Advisory Board. He also served as president and board chairman of the National Association of Educational Broadcasters (NAEB), and represented the NAEB at a 76-nation International Conference on School Broadcasting in Rome in 1962 and in Tokyo in 1964 where he served as chairman of the commission on correspondence study.

Among the many awards and citations he received during his career in educational broadcasting were the 1972 "Broadcast Citizen of the Year" award from Miami University (Ohio) Telecommunications Center; the "Distinguished Public Service Award" for leadership as chairman of the Ohio Educational Television Network Commission, from Ohio University in 1973; and a "Special Award for Distinguished Service" from the Central Educational Network in 1976.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.



July 11, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Alva M. Tuttle

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 21, 1980, of Alva M. Tuttle, Associate Professor Emeritus, Department of Economics.

Dr. Tuttle was a native of Indiana and lived there until completing his bachelor's degree at Butler University in 1923. He received the Master of Arts degree from the State University of Iowa in 1928, and the Ph.D. degree in economics from Ohio State University in 1947..

Professor Tuttle began his teaching career at the University of Wisconsin, where he taught from 1929 to 1933. He subsequently served the federal government as an economic statistician for nine years. He then came to Ohio State University in 1943 and remained an active teacher and scholar until his retirement in 1966.

Professor Tuttle published numerous articles in professional journals. He also published an introductory text in business and economic statistics which was used in published and unpublished form by a generation of students in the College of Administrative Science. Dr. Tuttle firmly believed that "practice is the way to learn statistical techniques." For over 20 years those who passed through his laboratory course learned well the real meaning of that pedagogical philosophy.

Dr. Tuttle was active in the affairs of the American Statistical Association and served for several years on its board of directors. He also was a member of and active supporter of the campus chapter of Beta Gamma Sigma.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY**

Resolution No. 81-2

*Synopsis: Amendments to the Rules of the University Faculty are proposed.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to the *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in the *Rules of the University Faculty* were approved by the University Senate on June 7, 1980, as follows:

July 11, 1980 meeting, Board of Trustees

**AMENDMENTS TO *RULES OF THE UNIVERSITY FACULTY* (contd)**

3335-5-612 Committee on women and minorities.

- (A) The committee on women and minorities shall consist of eleven members as follows:
- (1) Six members of the university faculty;
  - (2) One undergraduate student;
  - (3) One graduate student;
  - (4) One professional student;
  - (5) Vice provost for minority affairs, or his designee, non-voting;
  - (6) The director of affirmative action, or his designee, non-voting.

3335-7-23 Alteration of marks.

- (A) A mark filed in the office of registration, records and scheduling is a part of the official records of the university. It is subject to change only when a procedural error has been discovered in evaluation or recording of a grade. Action to change a grade must be initiated before the end of the second succeeding quarter. In no case will a grade be revised in accordance with criteria other than those applied to all students in the class. If the instructor agrees that an error in the mark was made, the mark will be changed upon written authorization of:
- (1) The instructor of the course,
  - (2) The instructor's department chairman,
  - (3) The director of the instructor's school, if applicable,
  - (4) The dean of the instructor's college, and
  - (5) The authorized representative of the dean or director of the student's enrollment unit.

If a student believes that a procedural error in grading was made, the student should meet with the instructor. If the instructor does not agree that a procedural error was made, the student may meet with the department chairman to discuss the grade grievance. The chairman shall respond to the student no later than thirty days after the student has requested a review by the chairman. Upon receipt of the chairman's response, if the issue is not resolved to the satisfaction of the student, the student may within two weeks request in writing by duplicate submission to the dean or director of

**AMENDMENTS TO *RULES OF THE UNIVERSITY FACULTY* (contd)**

the instruction unit and the department chairman the procedures in paragraph (B) of this rule. Unresolved cases of grade grievance due to grading procedures are subject to paragraph (B) of this rule; unresolved cases of grade grievance due to other causes are not subject to paragraph (B) of this rule.

- (B) Unresolved cases of grade grievances due to grading procedures shall be reviewed by a faculty departmental committee appointed by the department chairman.

- (1) In cases of instructors still affiliated with the university, the review committee shall consult both the student and the instructor and shall determine the validity of the grade grievance due to grading procedures. The review committee shall make its findings known in writing to both the student and the instructor within thirty days of the student's request to the chairman.

If the committee finds that a procedural error has occurred and if the instructor declines to accept the findings of the review committee, the committee shall consider the reasons for not authorizing a grade change given by the instructor and may, upon consideration of these reasons, authorize in writing a grade change to be instituted by the department chairman.

- (2) In cases of instructors no longer affiliated with the university, the findings of the committee shall be reported to both the student and the instructor. If the instructor chooses not to respond, the judgment of the committee shall prevail. If the instructor responds and declines to accept the findings of the committee that a procedural error has occurred, the committee shall consider the reasons for not authorizing a change given by the instructor. In either case, the committee may, upon due consideration, authorize in writing a grade change (if such can be determined) to be instituted by the department chairman.

If a department committee can find no academic basis upon which to recommend an appropriate grade for the course, the student shall be given the option of having the course stricken from the student's record and, if so desired, to retake that course without prejudice or penalty.

- (C) If charges of grave academic misconduct against an instructor are made and substantiated under rule 3335-5-04 of the Administrative Code, the department chairman shall be authorized to appoint a department grade grievance committee to consider grading errors that are alleged to be related to the misconduct. The committee shall consider all evidence and present, in writing, a report to the chairman indicating any recommended grade changes. The department chairman shall be authorized to institute grade changes in accordance with the recommendations of the committee.

July 11, 1980 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

If a department committee can find no academic basis upon which to recommend an appropriate grade for the course, the student shall be given the option of having the course stricken from the student's record and, if so desired, to retake that course without prejudice or penalty.

- (D) The graduate school and graduate professional colleges may formulate appropriate modifications of this rule, subject to the approval of the council on academic affairs, and publish this rule in their bulletins.

**3335-9-30 Requirements for an undergraduate baccalaureate degree.**

To obtain an undergraduate baccalaureate degree from this university, an undergraduate student must:

- (A) Have earned a minimum of forty-five quarter hours credit through regular course enrollment at this university.
- (B) Have been enrolled in the college, the colleges of the arts and sciences, or the school recommending that degree during the last quarter necessary to complete degree requirements. The executive committee of the college, the colleges of the arts and sciences, or the school recommending the degree may, on petition by the student, waive this requirement.
- (G) Except for paragraph (B) of this rule, waiver of any part of this rule in the case of individual students may be made only by the council on academic affairs following prior approval by the appropriate executive committee. The provost shall transmit all affirmative actions of the council on academic affairs under this paragraph to the secretary of the student's college and to the director of registration, records and scheduling for notation on the student's permanent record.

**NOW THEREFORE**

**BE IT RESOLVED**, That the foregoing amendments to *Rules of the University Faculty* be adopted by the Board of Trustees for inclusion in the next publication of the *Rules of the University Faculty*.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**MERGER OF DIVISIONS OF MEDICINAL CHEMISTRY AND PHARMACOGENOSY/  
NATURAL PRODUCTS CHEMISTRY - COLLEGE OF PHARMACY**

**Resolution No. 81-3**

*Synopsis: The merger of two divisions in the College of Pharmacy is being proposed.*

July 11, 1980 meeting, Board of Trustees

**MERGER OF DIVISIONS OF MEDICINAL CHEMISTRY AND PHARMACOGNOSY/  
NATURAL PRODUCTS CHEMISTRY - COLLEGE OF PHARMACY (contd)**

WHEREAS the College of Pharmacy has requested the present Division of Medicinal Chemistry and Division of Pharmacognosy/Natural Products Chemistry be united in a single administrative unit entitled Division of Medicinal Chemistry and Pharmacognosy; and

WHEREAS the teaching, research, and service activities of the two divisions are complementary; and

WHEREAS unification will reduce administrative and committee commitments for the faculty of the divisions; and

WHEREAS existing curricula will continue for the present; and

WHEREAS the Council on Academic Affairs has approved the proposed merger:

NOW THEREFORE

BE IT RESOLVED, That the merger of two divisions of the College of Pharmacy--the Divisions of Medicinal Chemistry and Pharmacognosy/Natural Products Chemistry be united as a single administrative unit to be known as the Division of Medicinal Chemistry and Pharmacognosy, as recommended by the University Senate, June 7, 1980, be approved.

Upon motion of Mr. Smith, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**NEW DEGREE PROGRAM - BACHELOR OF SCIENCE IN AVIATION**

Resolution No. 81-4

*Synopsis: Bachelor of Science in Aviation degree is proposed.*

WHEREAS the Department of Aviation has requested approval of the baccalaureate degree, Bachelor of Science in Aviation; and

WHEREAS the proposal has received the approval of the appropriate faculty and administrative councils and committees in the College of Engineering; and

WHEREAS the objective of the program is to prepare graduates to participate as professionals in the air transportation industry and in aviation-related government agencies; and

WHEREAS student interest in an aviation degree is substantial and growth projections in the air transportation industry forecast numerous employment opportunities; and

WHEREAS existing faculty, courses, equipment, and space are adequate to the present needs of such a degree program; and

July 11, 1980 meeting, Board of Trustees

**NEW DEGREE PROGRAM - BACHELOR OF SCIENCE IN AVIATION (contd)**

WHEREAS the Council on Academic Affairs has carefully examined the proposal submitted by the Department of Aviation and has approved same:

NOW THEREFORE

BE IT RESOLVED, That the foregoing proposal from the University Senate, which was approved June 7, 1980, be adopted.

Upon motion of Mr. Hilliker, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**NEW PROFESSIONAL DEGREE PROGRAM - DOCTOR OF PHARMACY**

Resolution No. 81-5

*Synopsis: A new professional degree program - Doctor of Pharmacy is being proposed.*

WHEREAS the College of Pharmacy has requested approval to offer a new post-baccalaureate professional degree, the Doctor of Pharmacy; and

WHEREAS the Doctor of Pharmacy degree will provide a clinical practice curriculum not presently available in either the baccalaureate or master's programs offered by the College of Pharmacy; and

WHEREAS the Doctor of Pharmacy degree is offered in many other universities and colleges and has acceptance in the profession, and employment opportunities for post-baccalaureate Doctor of Pharmacy graduates are varied and generally excellent; and

WHEREAS faculty and other resources currently existing in the College will be used to support the new program; and

WHEREAS the Council on Academic Affairs has examined the proposed program carefully and given its approval:

NOW THEREFORE

BE IT RESOLVED, That the proposal, as approved by the University Senate on June 7, 1980, be adopted by the Board of Trustees.

Upon motion of Mr. Smith, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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July 11, 1980 meeting, Board of Trustees

**NAMING OF CHADWICK ARBORETUM**

Resolution No. 81-6

*Synopsis: Naming of horticultural gardens adjacent to Agricultural Administration Building is proposed.*

WHEREAS Professor Emeritus L. C. Chadwick is recognized as one of the most preeminent plantsmen in America; and

WHEREAS Professor Chadwick was employed for 38 years in the Department of Horticulture and was engaged in teaching, research, and extension; and

WHEREAS it is now desired to designate the present horticultural gardens and other areas within the agricultural complex to recognize some of the outstanding accomplishments of Professor Chadwick, who was responsible for tree plantings throughout the campus:

NOW THEREFORE

BE IT RESOLVED, That the present horticultural gardens near West Lane Avenue and Fyffe Road (adjacent to the Agricultural Administration Building) and areas of garden expansion be designated as the Chadwick Arboretum and that appropriate labeling of campus trees be accomplished.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**APPOINTMENT OF TRUSTEES TO THE OHIO LEGAL CENTER**

Resolution No. 81-7

*Synopsis: A recommendation for appointment of two trustees to The Ohio Legal Center is proposed.*

WHEREAS in compliance with the Code of Corporate Regulations of The Ohio Legal Center, the Board of Trustees of The Ohio State University approves appointment of trustees from the faculty membership of the College of Law; and

WHEREAS Professor L. Orin Slagle, Jr., will be terminating his service in the College of Law and Professor Lawrence Herman has indicated his desire to be relieved of membership as trustee of The Ohio Legal Center:

NOW THEREFORE

BE IT RESOLVED, That Professor Claude R. Sowle and Assistant Dean Robert Carter be appointed as trustees of The Ohio Legal Center, effective July 1, 1980.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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July 11, 1980 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT**

Resolution No. 81-8

*Synopsis: Approval is being requested for awarding degrees and certificates for Summer Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on August 29, 1980, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**REVISED BUDGET 1980-81**

Resolution No. 81-9

*Synopsis: A revised Current Funds Budget for 1980-81 is proposed.*

President Enarson:

Next is the matter of the revised budget for 1980-81. This matter was presented by Dr. Vandament this morning--it took the better part of an hour. Most of the Trustees were there, although not everyone. Briefly, the Board adopted the budget the very day that the Governor had announced a 3 per cent cut. The heart of the matter is our recommendation that we, in effect, divide the pain on this, and what we are proposing is a three-part program. One is a \$10 per quarter increase in the instructional fee, the second part is cancellation of the hoped-for mid-year increase of 3 per cent averaged over all the faculty, and third is a commitment for cutting on the unrestricted funds budget on the order of--what is it--\$1,790,000. The students' share of the cost of instruction averages roughly 28-30 per cent; that's roughly the proportion which is reflected here. I am sure Dr. Vandament will be pleased to respond to any questions that anyone may have. This was acted upon by the committee and should be presented by its chairman.



July 11, 1980 meeting, Board of Trustees

### REVISED BUDGET 1980-81 (contd)

*Introduction.* The 3 percent cut in State support for the University, announced by the Governor on June 12, will result in an income loss of \$5.42 million for 1980-81, with the Unrestricted General Funds absorbing \$4.35 million of the total loss. In this proposed budget revision, the burden of this cut is shared by the students and the programs of the University.

It is proposed that instructional fees be increased an additional \$10 per quarter, resulting in a total instructional fee increase of \$30 per quarter in 1980-81. This increase honors the commitment made in March, prior to our knowledge of any State funding loss, to limit the undergraduate fee increase to \$30. This \$10 increase will replace \$1.2 million, or 28 percent, of the loss and parallels the 28 percent share of the Unrestricted General Funds provided by student fees in the original 1980-81 Budget. The University will make expenditure cuts totaling \$3.15 million to cover the remaining 72 percent of the Unrestricted Funds loss.

The University's 1980-81 Current Funds Budget was presented to, and adopted by, the Board on June 12, 1980. On that same day, the Governor announced that a shortfall in State revenues would result in a cut of 3 percent in the funds provided in 1980-81 for the State's agencies and programs. This revised University budget contains a proposed plan of action in response to that reduction of State support.

The 3 percent reduction from previous appropriation levels will have the following effects on the 1980-81 University budget adopted on June 12.

Unrestricted General Funds (Columbus)	-\$4,354,300
Regional Campuses	- 194,900
Cooperative Extension Service	- 203,700
University Hospitals	- 387,800
Other Designated Activities (e.g., Labor Education and Research)	- 274,600
TOTAL	-\$5,415,300

Plans for budget cuts are being prepared in each of the areas listed above. This budget revision for 1980-81 contains those changes that must be made in the projected expenditures and income of all the affected units.

The adjustments to the Unrestricted General Funds require special attention because these funds--formed by pooling State Instructional Subsidies, student fees, and other unrestricted income--provide the primary support for the academic and administrative support programs of the Columbus Campus. The 3 percent cut in State Instructional Subsidies will reduce the Unrestricted General Funds by \$4.35 million from its current base of \$236.6 million. The Unrestricted General Funds Budget for 1980-81 adopted on June 12 fell far short of meeting inflationary costs faced by the University--containing an increase of only 6.1 percent, or \$13.5 million, from the 1979-80 level--and relied heavily on savings made during the 1979-80 fiscal year. Adjustment to the \$4.35 million loss in State support will obviously be difficult.

July 11, 1980 meeting, Board of Trustees

**REVISED BUDGET 1980-81 (contd)**

The following proposed budget revisions distribute the effects of the loss in State support among the three interrelated aspects of the University's budget--student fees, faculty/staff compensation, and program support.

	Income/Savings Gain
Increase Instructional Fees by \$10 per Quarter	\$1,325,000
Less: Increased Student Compensation	125,000
Net Fee Income	\$1,200,000
Eliminate 3 Percent Midyear Salary Increase	1,360,000
Retrench College and Office Program Support	1,790,000
<b>TOTAL</b>	<b>\$4,350,000</b>

The preceding actions will replace \$1.2 million of the \$4.35 million income loss through student fees, and result in a decrease of approximately \$3.15 million in unrestricted income and expenditure from the 1980-81 budget. With these adjustments, changes in the Unrestricted General Funds expenditures from 1979-80 levels will be as follows:

Estimate 1979-80	Proposed 1980-81	Increase
\$222,845,200	\$233,323,400	+\$10,478,200 +4.7%

*Student Fees.* It is proposed that instructional fees at all levels be increased by \$10 per quarter, effective for the Autumn Quarter, 1980. The resulting fee schedule for 1980-81 is shown in the tabular material. The income generated from student fees represented 28 percent of our unrestricted income in our June 12 budget, and this increase will offset \$1.2 million, or 28 percent, of the \$4.35 million shortfall in State funding.

For undergraduate students, this increase--when combined with the earlier rise of \$20--results in a total quarterly change of \$30 per quarter from a 1979-80 level of \$265 to \$295 for 1980-81. This increase is consistent with our announcement in March, 1980 that undergraduate instructional fee increases would not exceed \$30 per quarter. When both Instructional and General fees are combined, a total increase of \$35 raises undergraduate fees from \$335 to \$370 per quarter, a 10.4 percent rise from 1979-80 levels.

*Midyear Salary Increases.* The budget adopted on June 12 contained provisions for a 3 percent across-the-board increase in faculty and administrative and professional staff salaries to be effective at midyear. This portion of the budget was adopted with the understanding that it would be implemented if earlier projections of revenue were upheld. Given the shortfall in State funding, and indications that inflation rates may be lower than originally projected, it is proposed that the salary issue be the subject of continuing study during the year.

July 11, 1980 meeting, Board of Trustees

**REVISED BUDGET 1980-81 (contd)**

*Retrenchment of Program Support.* Studies are currently in progress to reduce expenditures in offices and colleges by \$1.8 million. The information compiled in the development of the 1980-81 budget is under extensive review in the Office of Academic Affairs and the Office of Finance and Planning. Following this review, sessions to revise the budget will be scheduled with the Vice Presidents and Deans. We will place a high priority on protecting core academic and support activities in developing a retrenchment plan that will be announced in September. However, no administrative or academic unit can be immune from close examination during this activity.

We will provide further information to the Board on our fiscal status at its September meeting.

WHEREAS the Board of Trustees adopted the Current Funds Budget for 1980-81 in June, 1980 with the understanding that a reduction in State support might necessitate later revisions; and

WHEREAS a reduction of 3 percent in funds provided by the State has been announced:

NOW THEREFORE

BE IT RESOLVED, That the following Revised Budget for the fiscal year 1980-81, including a revised schedule of fees, be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS)**

	1980-81 Original Budget	1980-81 Proposed Revised Budget
<b>Columbus Campus</b>		
<b>Instruction and General</b>		
Departmental Instruction and Research	\$177,491	\$174,967
Libraries	11,060	10,984
Other Academic Support	3,808	3,743
Sponsored Programs Administration	6,322	6,307
Student Services	9,962	9,888
Plant Operation	28,729	28,660
Institutional Support	19,763	19,575
Total Instruction and General	<b>\$257,135</b>	<b>\$254,124</b>

July 11, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS) (contd)

	1980-81 Original Budget	1980-81 Proposed Revised Budget
Columbus Campus (contd)		
Sponsored Research		
Federally Sponsored Programs	\$ 35,980	\$ 35,980
Other Externally Sponsored Programs	10,487	10,431
Internally Sponsored Programs	517	511
Total Sponsored Research	\$ 46,984	\$ 46,922
Public Service		
University Hospitals	\$100,570	\$100,182
Cooperative Extension Service	22,251	22,044
Externally Sponsored Programs	16,224	16,062
Internally Sponsored Programs	5,608	5,572
Total Public Service	\$144,653	\$143,860
Student Aid	\$ 7,019	\$ 7,019
Auxiliaries		
Student Housing	\$ 24,502	\$ 24,502
Intercollegiate Athletics	10,326	10,326
University Bookstores	6,119	6,119
Student Health Service	2,954	2,925
Student Unions	2,885	2,885
Parking Facilities	3,247	3,247
University Airport	2,567	2,567
Fawcett Center for Tomorrow	1,767	1,767
Other	886	886
Total Auxiliaries	\$ 55,253	\$ 55,224
TOTAL COLUMBUS CAMPUS	\$511,044	\$507,149
Regional Campuses		
Administration	\$ 197	\$ 197
Lima Campus	2,711	2,700
Mansfield Campus	2,700	2,700
Marion Campus	1,554	1,554
Newark Campus	2,222	2,222
Agricultural Technical Institute	2,916	2,910
Wright-Patterson Graduate Center	100	100
TOTAL REGIONAL CAMPUSES	\$ 12,400	\$ 12,383
GRAND TOTAL	\$523,444	\$519,532

July 11, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
SOURCES OF INCOME TO SUPPORT 1980-81 BUDGET  
(IN THOUSANDS)

	1980-81 Original Estimate	1980-81 Revised Estimate
<b>Columbus Campus</b>		
Government Appropriations		
State of Ohio	\$174,009	\$168,789
Federal	67,671	67,671
Other	8,312	8,312
Subtotal	\$249,992	\$244,772
Student Fees		
Instruction and General	\$ 67,265	\$ 68,590
Room and Board	19,900	19,900
Other	3,997	3,997
Subtotal	\$ 91,162	\$ 92,487
Other Income		
Auxiliary Sales and Charges	\$121,751	\$121,751
Department and University Services	15,374	15,374
Endowment Income	4,782	4,782
Gifts and Grants	20,553	20,553
Temporary Investments	7,500	7,500
Subtotal	\$169,960	\$169,960
<b>TOTAL COLUMBUS CAMPUS</b>	<b>\$511,114</b>	<b>\$507,219</b>
<b>Regional Campuses</b>		
Lima Campus	\$ 3,043	\$ 3,028
Mansfield Campus	3,115	3,104
Marion Campus	1,820	1,819
Newark Campus	2,640	2,636
Agricultural Technical Institute	3,175	3,194
Wright-Patterson Graduate Center	100	100
<b>TOTAL REGIONAL CAMPUSES</b>	<b>\$ 13,893</b>	<b>\$ 13,881</b>
<b>GRAND TOTAL</b>	<b>\$525,007</b>	<b>\$521,100</b>

July 11, 1980 meeting, Board of Trustees

**SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1980**

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
<b>Undergraduate</b>						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
The Arts						
Biological Sciences	0-1	\$ 49	\$ 9	\$ 58	\$ 38	\$ 96
Continuing Education	2	62	14	76	76	152
Dental Hygiene	3	74	19	93	114	207
Education	4	98	25	123	152	275
Engineering	5	123	31	154	190	344
Health, Physical Education and Recreation	6	147	38	185	228	413
	7	172	44	216	265	481
Humanities	8	197	50	247	303	550
Journalism	9	221	56	277	341	618
Mathematical and Physical Sciences	10	246	62	308	379	687
	11	270	69	339	417	756
Music	12 or more	295	75	370	455	825
Natural Resources						
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
University College						

SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1980 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Graduate School	0-1	\$ 49	\$ 9	\$ 58	\$ 45	103
	2	79	15	94	91	185
	3	119	22	141	136	277
	4	158	30	188	182	370
	5	198	37	235	227	462
	6	237	45	282	273	555
	7	277	52	329	318	647
	8	316	60	376	364	740
	9	356	67	423	409	832
	10 or more	395	75	470	455	925
Graduate Professional						
Law	0-3	\$105	\$19	\$124	\$145	\$ 269
	4	140	25	165	193	358
	5	175	31	206	242	448
	6	210	38	248	290	538
	7 or more	420	75	495	580	1,075
Medicine	0-3	\$191	\$19	\$210	\$145	\$ 355
	4	255	25	280	193	473
	5	319	31	350	242	592
	6	382	38	420	290	710
	7 or more	765	75	840	580	1,420
Dentistry Optometry Veterinary Medicine	0-3	\$146	\$19	\$165	\$145	\$ 310
	4	195	25	220	193	413
	5	244	31	275	242	517
	6	292	38	330	290	620
	7 or more	585	75	660	580	1,240

SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1980 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
University Regional Campuses						
Undergraduate	0-1	\$ 49	\$ 9	\$ 58	\$ 38	\$ 96
	2	62	12	74	76	150
	3	74	15	89	114	203
	4	98	20	118	152	270
	5	123	25	148	190	338
	6	147	30	177	228	405
	7	172	35	207	265	472
	8	197	40	237	303	540
	9	221	45	266	341	607
	10	246	50	296	379	675
	11	270	55	325	417	742
	12 or more	295	60	355	455	810
Graduate	0-1	\$ 49	\$ 9	\$ 58	\$ 45	\$103
	2	79	12	91	91	182
	3	119	18	137	136	273
	4	158	24	182	182	364
	5	198	30	228	227	455
	6	237	36	273	273	546
	7	277	42	319	318	637
	8	316	48	364	364	728
	9	356	54	410	409	819
	10 or more	395	60	455	455	910



July 11, 1980 meeting, Board of Trustees

**SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1980 (contd)**

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$58 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$58 for zero or one credit hour.

Graduate professional students (those enrolled in any quarter, term, or period for seven or more credit hours) will be assessed full fees. Fees for graduate professional students enrolled for six or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the minimum fee for fewer than three credit hours being the fee for three credit hours.

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**HONORARY DEGREE**

Resolution No. 81-10

*Synopsis: Approval is requested for awarding an honorary degree.*

WHEREAS pursuant to paragraph (C) of rule 3335-3-03 of the Administrative Code, the President, after consultation with the Steering Committee of the University Senate, recommended to the Board of Trustees awarding of an honorary degree as listed below:

Marshall D. Shulman

Doctor of Laws

NOW THEREFORE

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-11

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; New and/or Reappointment of Chairmen of Departments and Division and Director of School; Leaves of Absence Without Salary; Professional Improvement Leave; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 12, 1980 meeting of the Board, including the following Appointments; New and/or Reappointment of Chairmen of Departments and Division and Director of School; Leaves of Absence Without Salary; Professional Improvement Leave; and Emeritus Titles as detailed in the University Budget for 1979-80, be approved.

**Appointments**

Name: CHESTER C. WINTER  
Title: Professor (Louis Levy Professor)  
Department: Surgery  
Effective: July 1, 1980  
Salary: \$35,040.00 (12-month)  
Present Position: Professor, Department of Surgery

Name: SIDNEY D. JEFFE  
Titles: Director, Transportation Research Center of Ohio, Engineering Experiment Station, and Adjunct Professor, Department of Mechanical Engineering  
Effective: Immediately  
Salary: \$51,960.00 (12-month)  
Present Position: Vice President of Engineering, Chrysler Corporation

**New and/or Reappointment of Chairmen of Departments and Division and Director of School**

July 1, 1980 through June 30, 1984

Agronomy	Berlie L. Schmidt
Food Science and Nutrition	Thorvald Kristoffersen
Home Economics Education	Lena M. Bailey
Natural Resources	Gordon E. Gatherum
Textiles and Clothing	Lois E. Dickey

October 1, 1980 through September 30, 1982

<sup>1</sup> Comparative Studies	Marilyn R. Waldman
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October 1, 1980 through September 30, 1981

<sup>2</sup> Labor and Human Resources	Samuel C. Kelley
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<sup>1</sup>New Appointment  
<sup>2</sup>Acting Chairman

July 11, 1980 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary

LINNEA ANDERSON, Associate Professor, School of Allied Medical Professions, effective July 1, 1980 through August 31, 1980, to do professional writing.

MICHAEL L. BENEDICT, Associate Professor, Department of History, effective January 1, 1981 through March 31, 1981, to accept a Visiting Professorship at Massachusetts Institute of Technology.

WALTER D. CRAIG, Associate Professor, Department of Photography and Cinema, effective Summer Quarter 1980, Winter Quarter 1981, and Spring Quarter 1981, to accept a position as Coordinator of Faculty Development at Mount Mercy College, Cedar Rapids, Iowa.

JERRY F. DOWNHOWER, Associate Professor, Department of Zoology, effective October 1, 1980 through September 30, 1981, to serve as Program Director for the Population Biology and Physiological Ecology Program, Division of Biological Sciences, National Science Foundation, Washington, D. C.

RONALD L. ERNST, Associate Professor, Department of Computer and Information Science, to accept a Visiting Associate Professorship of Computer Science at North Carolina State University.

MARY S. BREESE, Assistant Professor, School of Allied Medical Professions, effective July 1, 1980 through August 31, 1980, for personal reasons.

KATHERINE HOCH, Assistant Professor, Department of English, effective July 1, 1980 through September 30, 1980, to do research.

DAPHNE C. HSUEH, Instructor, University Libraries, effective July 1, 1980 through August 31, 1980, to do research.

#### Professional Improvement Leave

JOHN D. BRIGGS, Professor, Department of Entomology, effective Autumn Quarter 1980 and Winter Quarter 1981.

#### Emeritus Titles

PAUL C. LEIDHEISER, Cooperative Extension Service, with the title Professor Emeritus, effective August 1, 1980.

TING Y. LI, Department of Aeronautical and Astronautical Engineering, with the title Professor Emeritus, effective July 1, 1980.

HOWARD R. SHOWALTER, Cooperative Extension Service, with the title Professor Emeritus, effective August 1, 1980.

ROBERT C. KIRK, Department of Medicine, with the title Clinical Associate Professor Emeritus, effective July 1, 1980.

July 11, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

FRANK J. LONGO, College of Social Work, with the title Associate Professor Emeritus, effective July 1, 1980.

RUTH J. SCOTT, Department of Psychology (Newark Campus), with the title Associate Professor Emeritus, effective August 1, 1980.

RUTH H. WHEELER, School of Health, Physical Education and Recreation, with the title Associate Professor Emeritus, effective July 1, 1980.

VICTOR W. HOFFMAN, Academic Faculty of Industrial Technology, with the title Assistant Professor Emeritus, effective July 1, 1980.

FRANCES HINMAN, Cooperative Extension Service, with the title Instructor Emeritus, effective July 1, 1980.

Upon motion of Mrs. James, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-12

*Synopsis: The report on contracts, grants, and gifts and the summary for May are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the month of May, 1980, be approved.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MAY 1980**

Source	No. of Projects	Support Level
Office of Business and Administration	2	\$ 2,055.00
The Ohio State University Research Foundation	87	3,574,860.25
Engineering Experiment Station	42	212,321.00
		\$3,789,236.25
The Ohio State University Development Fund	4,511 Donors	\$1,433,986.60
<b>Establishment of Named Funds</b>		
The Chair in Food Industries (College of Agriculture and Home Economics)		\$ 21,000.00
The Virgil Overholt Drainage Education and Research Fund (Department of Agricultural Engineering)		\$ 19,534.49
The Earl Weaver Memorial Fund (College of Agriculture and Department of Ophthalmology)		\$ 8,000.00
The Professorship in Plant Protection (College of Agriculture and Home Economics)		\$ 5,600.00
<b>Change in Description of Named Fund</b>		
The Partners and Employees of Price Waterhouse Endowment Fund (Amended in accordance with request of donor)		
<b>Report from Presidents Club</b>		
Members to date		4,388
1980: year to date		1,002
New members - May 1980		11
<b>New Presidents Club Members - May 1980</b>		
Fredericka V. L. Caldwell	Ronald J. Kaplansky	
Elisabeth Ecke	Stephen H. Lipson	
Sheila D. Feinstein (Mrs. Donald L.)	Mary E. Ogle	
John T. Heibel	Glenn R. Pirtle	
Janice L. Hickey (Mrs. Jack W.)	Marvin D. Steed	
Timothy L. Hooper		

Anthony S. Elia, New Presidents Club Member - April 1980, withdrew.

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

Federal Research Contracts/Grants

\$1,080.00 - Tennessee Valley Authority, Norris, Tennessee, Participation in Academic Enrichment Program, School of Natural Resources, June 16, 1980 through September 5, 1980.

\$975.00 - Tennessee Valley Authority, Norris, Tennessee, Participation in Academic Enrichment Program, School of Natural Resources, May 20, 1980 through September 1, 1980.

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS \$ 2,055.00

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Federal Research Contracts/Grants

\$692,953.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources (M. Borus and H. Parnes), 1 October 1979 through 30 September 1980. (Project 760081 - Continuation)

\$153,675.00 - Department of Health, Education, and Welfare, Office of Education, Washington, D. C., Vocational Technical Education Leadership Development, Graduate School - Administration (J. B. LaPidus) and Academic Faculty of Vocational-Technical Education (A. J. Miller), 1 September 1980 through 31 August 1981. (Project 761272 - Continuation)

\$121,180.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, A Model of Parainfectious Demyelinating Encephalitis, Department of Veterinary Pathobiology (A. Koestner) and Department of Physiological Chemistry (L. Horrocks), 1 May 1980 through 30 April 1981. (Project 762797 - Continuation)

\$107,760.00 - Environmental Protection Agency, Washington, D. C., DNA Damage in Human Lymphocytes as Indicators of Carcinogen Exposure, Department of Radiology (S. M. D'Ambrosio) and Department of Medicine (R. L. Whisler), 1 May 1980 through 30 April 1981. (Project 762158 - New)

\$99,521.00 - Tennessee Valley Authority, Chattanooga, Tennessee, Coal Pile Electromagnetic Sensing Research, Department of Electrical Engineering, Electro-Science Laboratory (J. Young), 17 April 1980 through 16 April 1981. (Project 762162 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$93,741.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Physiology and Histopathology of Arterialized Vein Grafts, Department of Surgery (J. S. Vasko and J. F. Cornhill), 1 May 1980 through 30 April 1981. (Project 764036 - Continuation)

\$90,000.00 - Department of Health, Education, and Welfare, Office of Education, Bureau of Education for the Handicapped, Washington, D. C., Regular Education In-Service (Comprehensive Vocational Education for All Handicapped Persons: In-Service Support for Transition from Education to Work), National Center for Research in Vocational Education (R. E. Taylor), 1 June 1980 through 31 May 1981. (Project 762183 - New)

\$81,000.00 - Department of Health, Education, and Welfare, Office of Education, Bureau of Education for the Handicapped, Washington, D. C., Handicapped Pre-Service Personnel Preparation, School of Health, Physical Education, and Recreation (W. F. Ersing), 1 June 1980 through 31 May 1981. (Project 762175 - New)

\$79,624.00 - National Science Foundation, Washington, D. C., Synthesis and Isomerization Reactions of Novel Alicyclic Molecules, Department of Chemistry (L. A. Paquette), 1 September 1980 through 31 August 1981. (Project 761850 - Continuation)

\$74,800.00 - National Science Foundation, Washington, D. C., Dynamics, Synthesis and Structure of Carbanionic Substances, Department of Chemistry (G. A. Fraenkel), 1 July 1980 through 30 June 1981. (Project 762189 - Continuation)

\$67,786.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunotherapy of Experimental Lung Cancer, Department of Microbiology and Cancer Research Center (B. S. Zwilling), 1 August 1980 through 31 July 1981. (Project 760172 - Continuation)

\$66,387.00 - National Science Foundation, Washington, D. C., Syntheses and Studies of Selected Metal Carbonyl and Metalloborane Cluster Systems, Department of Chemistry (S. G. Shore), 1 September 1980 through 31 August 1981. (Project 761767 - Continuation)

\$65,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Scattering of Acoustic Waves by Finite Cylindrical Elastic Shells Immersed in Water, Department of Mechanics (V. K. Varadan and V. V. Varadan), 1 May 1980 through 30 April 1981. (Project 762148 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$62,626.00 - Environmental Protection Agency, Washington, D. C., Synergistic Effects of Short-Sized Chrysotile Fibers With Benzopyrene, Department of Radiology (R. E. Stephens), 1 May 1980 through 30 April 1982. (Project 762154 - New)

\$61,740.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Polymerized Tumor Antigen-Adjuvant Immunotherapy, Department of Medicine (J. A. Neidhart), 1 July 1980 through 30 June 1981. (Project 761757 - Continuation)

\$60,000.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Modelling of Turbulence in Free Shear Layers and Mixing Zones, Department of Aeronautical and Astronautical Engineering (S. L. Petrie and J. D. Lee), 1 June 1980 through 31 May 1981. (Project 762187 - New)

\$60,000.00 - Department of Health, Education, and Welfare, Office of Education, Bureau of Education for the Handicapped, Washington, D. C., Regular Education Preservice Deans' Grant for the Planning and Implementation of Faculty Development and Curriculum Adaptation Strategies Pursuant to Public Law 94-142, College of Education - Administration (R. A. Burnham), 1 June 1980 through 31 May 1981. (Project 762170 - New)

\$53,500.00 - National Science Foundation, Washington, D. C., Regional Labor Productivity Changes and the Geographic Redistribution of Employment and Population, Department of Geography (E. Casetti), 1 July 1980 through 30 June 1981. (Project 762152 - New)

\$51,149.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Ceramic Microstructure Development, Department of Ceramic Engineering (D. W. Readey), 1 April 1980 through 31 October 1980. (Project 762134 - New)

\$50,000.00 - Maryland Procurement Office, Fort George G. Meade, Maryland, Superdirective Arrays, Department of Electrical Engineering, ElectroScience Laboratory (E. Newman), 5 May 1980 through 5 March 1981. (Project 761428 - Continuation)

\$49,996.00 - Department of the Army, Army Corps of Engineers, Buffalo, New York, Lake Erie Watershed Reduced Tillage Practices, Cooperative Extension Service - State Operations (C. J. Cunningham) and Cooperative Extension Service - State Operations and Department of Agronomy (B. L. Schmidt), 1 October 1979 through 30 September 1980. (Project 761873 - New)



July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$46,932.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, An Interpretive Study of Plate and Shell Buckling, Department of Engineering Mechanics (A. W. Leissa), 15 February 1980 through 14 April 1981. (Project 762059 - New)

\$43,548.00 - National Science Foundation, Washington, D. C., Geology and Paleomagnetism of Mesozoic Rocks, Northern Antarctic Peninsula, Institute of Polar Studies and Department of Geology and Mineralogy (D. H. Elliot), 1 June 1980 through 31 May 1981. (Project 761682 - Continuation)

\$42,196.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Survival Factors (Nodes, Histology), E-B Virus-Nasopharyngeal Carcinoma, Department of Otolaryngology (D. E. Schuller), 1 April 1980 through 31 March 1981. (Project 761591 - Continuation)

\$39,827.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Washington, D. C., Use of SEASAT Altimeter Data for the Improved Determination of the Geoid, Gravity Anomaly Field and Sea Surface Topography, Department of Geodetic Science (R. H. Rapp), 1 June 1980 through 30 May 1981. (Project 761378 - Continuation)

\$36,615.00 - National Science Foundation, Washington, D. C., Collaborative Research on the Development of the Soviet Unified Settlement System, Department of Geography (G. J. Demko), 1 June 1980 through 31 May 1982. (Project 762190 - New)

\$34,503.00 - National Science Foundation, Washington, D. C., Genesis of Mineralization Associated With Andean Intrusions, Northern Antarctic Peninsula Region, Institute of Polar Studies and Department of Geology and Mineralogy (D. E. Pride), 1 August 1980 through 31 May 1981. (Project 761769 - Continuation)

\$34,429.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Iris Pigmentation, Melanins and Ocular Drug Effects, College of Pharmacy (P. N. Patil), 1 June 1980 through 31 May 1981. (Project 764189 - Continuation)

\$33,135.00 - National Science Foundation, Washington, D. C., Workshops in Long-Range Planning in Systematics: Columbus, Ohio; New Haven, Connecticut; and Pittsburgh, Pennsylvania, Department of Botany (T. F. Stuessy), 1 June 1980 through 31 May 1981. (Project 762182 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$31,300.00 - National Science Foundation, Washington, D. C., Applications of Organosilicon Chemistry in Synthesis, Department of Chemistry (P. D. Magnus), 1 June 1980 through 31 May 1981. (Project 761162 - Continuation)

\$30,777.00 - National Science Foundation, Washington, D. C., Pre-College Teacher Development, Department of Physics (W. R. Riley), 1 May 1980 through 31 October 1981. (Project 762156 - New)

\$30,000.00 - National Science Foundation, Washington, D. C., Interactions of Chloroplast Membrane Proteins, Department of Biochemistry (E. L. Gross), 1 July 1980 through 30 June 1981. (Project 761212 - Continuation)

\$28,900.00 - National Science Foundation, Washington, D. C., Steric Effects in Polycyclic Aromatic Hydrocarbons, Department of Chemistry (M. S. Newman and D. W. Meek), 1 May 1980 through 30 April 1981. (Project 761602 - Continuation)

\$28,600.00 - National Science Foundation, Washington, D. C., Chemistry and Spectroscopy of High Energy Intermediates, Department of Chemistry (M. S. Platz), 1 June 1980 through 31 May 1981. (Project 761654 - Continuation)

\$28,339.00 - National Science Foundation, Washington, D. C., Analysis of Archaeological Material from Tale Malyan, Department of Anthropology (W. M. Summer), 1 June 1980 through 31 May 1981. (Project 761645 - Continuation)

\$27,656.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Effects of Processing and Storage on Human Milk, Department of Food Science and Nutrition (P. M. T. Hansen), 1 April 1980 through 31 March 1981. (Project 761475 - Continuation)

\$25,000.00 - Department of Energy, Chicago, Illinois, Support of Seminars on Energy and National Security, Program for Energy Research, Education, and Public Service, Graduate School - Administration (H. Bucknell, III), 5 May 1980 through 4 May 1981. (Project 762146 - New)

\$23,500.00 - National Science Foundation, Washington, D. C., Signal and Noise Generation in Curved and Flat Space-Times, Department of Mathematics (U. H. Gerlach), 15 May 1980 through 31 May 1982. (Project 762181 - New)

\$20,650.00 - National Science Foundation, Washington, D. C., Development of Collaborative United States-Japan Socio-Behavioral Disaster Research, Department of Sociology (E. L. Quarantelli), 1 June 1980 through 31 May 1981. (Project 762201 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$20,000.00 - Department of Agriculture, Science and Education Administration, New Orleans, Louisiana, Disappearing Disease of the Honey Bee, Department of Entomology (W. C. Rothenbuhler), 16 June 1980 through 15 June 1981. (Project 760706 - Continuation)

\$19,600.00 - National Science Foundation, Washington, D. C., Finite Simple Groups and BN-Pairs, Department of Mathematics (R. Solomon), 1 July 1980 through 30 June 1982. (Project 761177 - Continuation)

\$18,720.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, ADI Relaxation Algorithms Applied to Grid Generation, Department of Mechanical Engineering (S. Nakamura), 30 June 1980 through 30 June 1981. (Project 760964 - Continuation)

\$18,481.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Selection of Strains of Baculovirus of Choristoneura Resistant to Near Ultraviolet Radiation, Department of Entomology (G. Stairs), 1 May 1980 through 30 April 1981. (Project 762163 - New)

\$17,986.00 - National Science Foundation, Washington, D. C., Finitary Coding in Ergodic Theory, Department of Mathematics (A. Del Junco), 1 July 1980 through 30 June 1982. (Project 762160 - New)

\$16,750.00 - National Science Foundation, Washington, D. C., Directions in Model Theory and Set Theory, Department of Mathematics (H. M. Friedman), 13 May 1980 through 30 June 1981. (Project 761238 - Continuation)

\$16,256.00 - Department of Health, Education, and Welfare, Office of Education, Washington, D. C., Development of Teaching Materials for Interdisciplinary Undergraduate Course in Transnational Approaches to International Studies, Office of Academic Affairs, Center for International Studies (J. S. Adams) and Department of History (M. Waldman), 1 July 1980 through 30 June 1981. (Project 762168 - New)

\$15,872.00 - National Science Foundation, Washington, D. C., Solution Partitioning in Spatial Mechanism Synthesis, Department of Mechanical Engineering (K. J. Waldron), 15 April 1980 through 31 March 1981. (Project 762151 - New)

\$15,003.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Update of CRASH II Computer Model Damage Tables, Department of Mechanical Engineering (D. A. Guenther), 1 April 1980 through 30 September 1980. (Project 762098 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$12,155.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Computer Modeling and Vehicle Collision Data Analysis, Department of Mechanical Engineering (J. Charles), 14 April 1980 through 15 September 1980. (Project 762054 - Continuation)

\$10,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Further Studies of the UV Spectra of Late-Type Stars, Department of Astronomy (R. F. Wing), 1 June 1980 through 31 May 1981. (Project 761634 - Continuation)

\$9,997.00 - Department of Health, Education, and Welfare, Public Health Service, Food and Drug Administration, Procurement Property and Facility Management Branch, Rockville, Maryland, Deviance Within the Model of Superior Formulary Performance, College of Pharmacy (T. D. Rucker), 8 May 1980 through 7 January 1981. (Project 762180 - New)

\$9,987.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Feasibility Study of Vehicle Tracking System, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda and M. A. Poirier), 8 May 1980 through 8 September 1980. (Project 762173 - New)

\$9,230.00 - Department of Labor, Washington, D. C., Hearing Losses of Federal Employees, Department of Communication (E. J. Hardick) and Department of Otolaryngology (W. Melnick), 15 May 1980 through 4 October 1980. (Project 761897 - Continuation)

\$7,200.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Population Density and Habitat Selection by Breeding Yellow Rails at Seney National Wildlife Refuge, Michigan, Department of Zoology (T. A. Bookhout), 1 May 1980 through 30 June 1981. (Project 761561 - Continuation)

\$7,000.00 - Department of Health, Education, and Welfare, Office of Education, Bureau of Education for the Handicapped, Washington, D. C., The Ohio State University Preservice/Inservice Training Project for Special Education Personnel, Academic Faculty of Exceptional Children (M. E. Ward), 1 June 1980 through 31 May 1981. (Project 762171 - New)

\$5,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Scattering of Waves by Viscoelastic Composites and the Characterization of Their Dynamic Properties, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 April 1980 through 30 September 1980. (Project 762104 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$3,300.00 - National Science Foundation, Washington, D. C., Group Travel for U. S. Participants in the Third International Meeting on Solid Electrolytes-Solid State Ionics and Galvanic Cells - Tokyo, Japan, Department of Metallurgical Engineering (R. A. Rapp), 1 June 1980 through 31 May 1981. (Project 762200 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$3,060,882.00**

**State of Ohio Research Contracts/Grants**

\$39,200.00 - State of Ohio, Department of Economic and Community Development, Columbus, Ohio, Management Advancement Training Seminars for Community Action Programs, College of Administrative Science - Continuing Education (J. Stanley), 1 June 1980 through 31 December 1980. (Project 762164 - Continuation)

\$21,810.00 - State of Ohio, Division of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Cooperative Psychiatric Services, Nisonger Center for Mental Retardation (F. A. Benson), 1 July 1980 through 30 June 1981. (Project 762186 - New)

\$14,995.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Review of Ohio's Division of Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 31 October 1980. (Project 762150 - New)

\$8,048.00 - State of Ohio, Department of Mental Health and Mental Retardation, Columbus, Ohio, MSG Intolerance and Beta-Adrenergic Hypersensitivity, Department of Psychiatry (H. Schmidt), 1 June 1980 through 30 June 1980. (Project 762197 - New)

\$6,480.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Technical Workshop in Farm Business Planning and Analysis, Department of Agricultural Education (J. T. Starling), 1 May 1980 through 30 June 1980. (Project 762194 - New)

\$4,438.00 - State of Ohio, Department of Administrative Services, Columbus, Ohio, Auditing Hospital Bills - A Practical Cost Containment Measure, School of Allied Medical Professions (S. F. Loeb), 1 May 1980 through 1 October 1980. (Project 762176 - New)

\$2,902.00 - State of Ohio, Department of Mental Health and Mental Retardation, Columbus, Ohio, A Behaviorally Based Treatment for Child Compliance Problems: A Parent Training Intervention, Department of Psychology (A. Schwebel and R. Wells), 20 May 1980 through 30 June 1980. (Project 762185 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$2,370.00 - State of Ohio, Department of Mental Health and Mental Retardation, Columbus, Ohio, Analysis of Staff Data: Drug Treatment Programs in Ohio, 1974-1978, Department of Sociology (W. Li and M. A. Ruffing), 15 May 1980 through 30 June 1980. (Project 762198 - New)

\$1,680.00 - State of Ohio, Department of Mental Health and Mental Retardation, Columbus, Ohio, The Impact of Natural Support Systems on Children's Reaction to Parental Divorce/Separation, Department of Psychology (C. Wenar and M. Schreiber), 1 May 1980 through 30 June 1980. (Project 762184 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 101,923.00**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$57,982.00 - Pennwalt Corporation, Philadelphia, Pennsylvania, Insect Cell Culture, Department of Entomology (W. F. Hink), 1 May 1980 through 30 April 1981. (Project 762159 - New)

\$53,000.00 - Wisconsin State Occupational Information Coordinating Committee, Madison, Wisconsin, Developing the Standard Occupational Classification Code Definitions, National Center for Research in Vocational Education (R. E. Taylor), 1 March 1980 through 28 February 1981. (Project 762161 - New)

\$49,998.00 - Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, Continuation of a Study of Regulatory Actions to Promote Power Plant Productivity Improvements, National Regulatory Research Institute (D. N. Jones) and Department of Industrial and Systems Engineering (G. L. Smith), 12 May 1980 through 30 September 1980. (Project 762129 - New)

\$46,936.65 - Clarkson College of Technology, Potsdam, New York, Investigate Bistatic Scattering Characteristics of Moving and Fixed Targets to Determine Whether Discriminants May Exist That Will Allow Target Classification, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 16 April 1980 through 30 September 1980. (Project 761830 - Continuation)

\$39,998.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Kinetic Requirements for the High Intensity Combustion of Coal as Data Source for Design of Small Coal Burners for Industrial Use, Department of Mechanical Engineering (R. H. Essenhigh) and Department of Chemical Engineering (L. S. Fan), 26 May 1980 through 25 May 1981. (Project 762169 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

**\$34,462.00** - Madison Public Schools, London, Ohio, Martin W. Essex School for the Gifted, Academic Faculty of Exceptional Children (R. H. Swassing), 1 May 1980 through 30 September 1981. (Project 762147 - Continuation)

**\$30,000.00** - Ohio Coal Research Laboratories Association, Columbus, Ohio, Bacterial Pyrite Oxidation: Its Basic Mechanism and Relationship With Other Oxidizable Mineral and Cost Constituents, Department of Microbiology (O. H. Tuovinen), 26 May 1980 through 25 May 1981. (Project 762204 - New)

**\$16,000.00** - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1980 through 31 December 1980. (Project 762165 - New)

**\$15,000.00** - Dana Corporation Foundation, Toledo, Ohio, The Legal Treatment of Persons With Mental Disabilities, College of Law (M. J. Kindred), 1 September 1980 through 30 June 1981. (Project 762188 - New)

**\$12,000.00** - The Arthritis Foundation, Central Ohio Chapter, Columbus, Ohio, Immunoregulation and Autoimmunity, Department of Medicine (R. L. Whisler), 1 April 1980 through 31 March 1981. (Project 760620 - Continuation)

**\$9,924.00** - The Japan Foundation, Tokyo, Japan, A Regional Project for Teaching Japan in Secondary Schools, Office of Academic Affairs, Center for International Studies (J. Adams), 1 April 1980 through 30 March 1981. (Project 762155 - New)

**\$8,785.00** - Citizens' Council for Ohio Schools, Cleveland, Ohio, Citizens' Council School Finance Project, Academic Faculty of Educational Administration (L. H. Wagstaff), 1 October 1979 through 30 June 1980. (Project 762193 - New)

**\$7,488.60** - North Central Technical Institute, Wausau, Wisconsin; Trident Technical College, Charleston, South Carolina; Caldwell Community College and Technical Institute, Hudson, North Carolina, Postsecondary Alliance - Business, Industry, and Labor Articulation Program - Option A, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 31 October 1980. (Project 762196 - Continuation)

**\$6,360.00** - National Association of Schools of Public Affairs and Administration, Washington, D. C., Public Personnel Management Research Fellowship, Academic Faculty of Labor and Human Resources (D. M. Ronchi and P. A. Somers), 1 June 1980 through 30 August 1981. (Project 762153 - New)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$5,745.00 - Wright State University, Dayton, Ohio, Survey of Postsecondary Institutions in the State of Ohio, Academic Faculty of Educational Administration (L. H. Wagstaff and S. Cameron), 1 February 1980 through 15 April 1980. (Project 762174 - New)

\$5,000.00 - Hamilton Standard, Division of United Technologies, Windsor Locks, Connecticut, Advanced Airfoils for Propeller Applications, Department of Aeronautical and Astronautical Engineering (K. D. Korkan), 1 May 1980 through 30 June 1980. (Project 761707 - Continuation)

\$4,037.00 - Commonwealth of Virginia, Department of Education, Richmond, Virginia, A Revision of "A Guide for the Organization and Operation of Local Advisory Committees for Vocational Education," National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1980. (Project 762172 - New)

\$3,500.00 - Allen County Commissioners, Lima, Ohio, Historical Preservation Office, Lima Campus (J. S. Biddle), 1 February 1980 through 31 January 1981. (Project 762157 - New)

\$3,339.00 - Caldwell Community College and Technical Institute, Hudson, North Carolina, Postsecondary Alliance - Evaluation Program Option A - Clearinghouse, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1981. (Project 762195 - Continuation)

\$1,500.00 - Cystic Fibrosis Foundation, Rockville, Maryland, Colonization of the Respiratory Tract by *Pseudomonas aeruginosa*, Department of Microbiology (N. Baker and H. Marcus), 1 July 1980 through 10 September 1980. (Project 762191 - New)

\$1,000.00 - Mississippi Gulf Coast Junior College, Perkinston, Mississippi, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1979 through 30 June 1980. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS \$ 412,055.25

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$89,500.00 - International Paper Company, Tuxedo Park, New York, Moveable Wall Channel Fiber-Fluid, Department of Chemical Engineering, May 8, 1980 through May 8, 1981. (EES 606/529086)



July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

Sponsored Development Projects

\$122,821.00 - various sponsors for 41 development projects.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$612,500.00 - Estate Under the Will of John C. Fergus, Columbus, Ohio--  
\$306,250.00 for Corwin A. Fergus Memorial Fund and \$306,250.00 for Edith  
Fergus Gilmore Fund.

\$39,050.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel  
J. Roessler Memorial Fund.

\$30,000.00 - The Bremer Foundation, Youngstown, Ohio, for The Bremer  
Foundation Fund.

\$27,000.00 - Dorsey Laboratories, Lincoln, Nebraska, for Clinical Pharmacology  
Fund.

\$25,000.00 - Battelle Memorial Institute, Columbus, Ohio, for Forced Convection  
Techniques Applied to Corrosion Problems.

\$20,000.00 - Estate Under the Will of Dorothy M. Bennett, Lima, Ohio, for  
Dorothy M. Bennett and Clark L. Bennett Medical Research Fund.

\$15,070.00 - Janssen Pharmaceuticals, New Brunswick, New Jersey, for Gastro-  
intestinal Cancer Research Fund.

\$13,630.10 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$12,184.00 - Castleton, Inc., Lexington, Kentucky, for Dean's Education and  
Research Fund in Veterinary Medicine.

\$10,750.00 - Eli Lilly and Company, Indianapolis, Indiana, for Diabetes Research  
Fund.

\$10,000.00 - Iddings Foundation, Dayton, Ohio, for Iddings Foundation Scholar-  
ships.

\$10,000.00 - George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz  
Foundation for Enology and Viticulture.

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$10,000.00 - Michael's Finer Meats, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$8,000.00 - Midland Ross Corporation, Urbana, Ohio, for Student Athlete Grant-in-Aid Fund.

\$7,500.00 - The B. F. Goodrich Company, Akron, Ohio, for B. F. Goodrich Company Fund for Polymer Engineering Research Fund.

\$6,702.70 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$5,517.72 - Trust Under the Will of Carl M. Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$5,500.00 - Owens-Corning Fiberglas Corporation, Toledo, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Ashland Chemical Company, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - The Cincinnati Gas and Electric Company, Cincinnati, Ohio, for Ohio Electric Utility Institute Fellowship Fund.

\$5,000.00 - The Firestone Tire and Rubber Company, Akron, Ohio, for Fraenkel Research Fund.

\$5,000.00 - General Motors Corporation, Warren, Michigan, for College of Administrative Science Fund.

\$5,000.00 - Mr. and Mrs. John D. Kraus, Delaware, Ohio, for Radio Telescope Research Fund.

\$5,000.00 - Occidental Research Corporation, Irvine, California, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - Ohio State University Dental Alumni Association, Worthington, Ohio, for Dental Alumni Loan Fund.

\$5,000.00 - SCOA Foundation, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - SDRC, Milford, Ohio, for SDRC Fund (Structural Dynamics Research Corporation)

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Chair in Food Industries**

The Chair in Food Industries was established July 11, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from industry, alumni, and friends of the College of Agriculture.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income, when this account becomes a chair, will be used to provide salary and program support for the work of an individual who will provide leadership for the Food Industries Program. Appointment of this chair will be recommended by the Dean of the College of Agriculture and Home Economics to the Provost and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the programs relating to the food industries.

**The Virgil Overholt Drainage Education and Research Fund**

The Virgil Overholt Drainage Education and Research Fund was established July 11, 1980, by the Board of Trustees of The Ohio State University in honor of Virgil Overholt, Professor Emeritus, with gifts from alumni, friends, and industry to The Ohio State University Development Fund.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income and principal is to be used to provide funds for graduate student support, long-term research, and continuing education. Distribution of these funds will be made by the Chairman of the Department of Agricultural Engineering upon the recommendation of an advisory committee, consisting of representatives of the faculty, agriculture, and industry. Distribution for this purpose will be made from income or principal or both, until the funds available to support these goals are exhausted.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the College of Agriculture and Home Economics and the Department of Agricultural Engineering.

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Earl Weaver Memorial Fund**

The Earl Weaver Memorial Fund was established July 11, 1980, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Earl Weaver, D.V.M. '55.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual interest and/or principal from this fund will be used to support projects of the highest priority in the College of Veterinary Medicine. The Dean of the College of Veterinary Medicine will have full discretion in the use of the funds.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the study of veterinary medicine education.

**The Professorship in Plant Protection**

The Professorship in Plant Protection was established July 11, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, industry, and friends.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be added to the principal until the fund reaches \$250,000. At that time the income is to be used to provide salary and program support for the work of a distinguished scholar and researcher in the field of plant protection. Appointment to this professorship will be recommended by the Dean of the College of Agriculture and Home Economics to the Provost and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University, who is then directly responsible for the University's program in plant protection.

July 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Description of Named Fund**

At the request of Harry Krieger of Price Waterhouse & Co., the wording in the third paragraph of the endowment description for "The Partners and Employees of Price Waterhouse Endowment Fund" has been amended to comply with the wishes of the donors:

**The Partners and Employees of Price Waterhouse Endowment Fund**

The Partners and Employees of Price Waterhouse Endowment Fund was established December 15, 1976, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University from alumni and friends on the staff of Price Waterhouse & Co., Columbus, Ohio, and the Price Waterhouse Foundation.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income is to be added to the principal until the fund reaches the appropriate amount to provide at least \$1,000 annually for support of the Academic Faculty of Accounting. The income may be used for financial assistance to undergraduate and graduate accounting students, for continuing education of its faculty members, for research programs undertaken by faculty members, for the recruitment of new faculty members **and for purposes deemed appropriate to the Academic Faculty of Accounting**. Requests for expenditures of funds will be initiated by the chairman of the Department and approved by the dean of the College of Administrative Science.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as designated by the partner-in-charge of Price Waterhouse & Co., Columbus, Ohio, or, if no such person exists or the fund ceases to be active, as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for accounting education.

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**EMPLOYMENT OF ARCHITECT/ENGINEER**

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT OF ENERGY TITLE III GRANT (LAUNDRY, PRINTING FACILITY, WOMEN'S DINING FACILITY, RANEY COMMONS, AND BRADFORD COMMONS)**

Resolution No. 81-13

*Synopsis: Employment of engineer to conduct study for project, "Energy Conservation Measures, Federal Department of Energy Title III Grant (Laundry, Printing Facility, Women's Dining Facility, Raney Commons, and Bradford Commons)," is being proposed.*

July 11, 1980 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER (contd)**

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT OF ENERGY TITLE III GRANT (LAUNDRY, PRINTING FACILITY, WOMEN'S DINING FACILITY, RANEY COMMONS, AND BRADFORD COMMONS) (contd)**

WHEREAS The Ohio State University facilities known as Laundry, Printing Facility, Women's Dining Facility, Raney Commons, and Bradford Commons were selected under the Federal Grants' Program for Schools, Universities, and Hospitals for completion of energy-study reports; and

WHEREAS it is proposed that upon completion of these reports which will be conducted in accordance with procedures and reporting established by the Ohio Board of Regents' Energy Management Program; the reports will be submitted to the Federal Energy Department to obtain funds for completion of any selected cost-effective energy conservation modifications:

**NOW THEREFORE**

**BE IT RESOLVED**, That the firm of Gaddam and Associates Engineers of Columbus, Ohio, be employed to provide engineering services for these buildings covered by this project and to provide energy reports, and on completion of the approved reports, they will be submitted to the Federal Energy Department to obtain funds for completion of any selected cost-effective energy conservation modifications; and

**BE IT FURTHER RESOLVED**, That the fee for this service be negotiated between the firm and the Department of Administrative Services, Division of Public Works, with the total cost for these studies being \$20,742. Funds will be provided by the Federal Government with matching funds from The Ohio State University (\$10,371 Federal, plus \$10,371 OSU).

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-14

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimate of cost for the following project:

**UNIVERSITY AIRPORT, APRON AND RUNWAY IMPROVEMENTS, PHASE II**

**Project:** Continuation of the rehabilitation of apron areas, provide site preparation, replace beacon light and improved access to taxiways.

July 11, 1980 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**UNIVERSITY AIRPORT, APRON AND RUNWAY IMPROVEMENTS, PHASE II (contd)**

Funding: Federal Aviation Administration Grant

Estimated Project Cost: \$293,955.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimate of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**FEDERAL AVIATION ADMINISTRATION GRANT NO. DOT-FA80-GL-8118  
UNIVERSITY AIRPORT IMPROVEMENTS**

Resolution No. 81-15

*Synopsis: Acceptance of the Federal Aviation Administration (FAA) Grant to the University for University Airport (Don Scott Field) improvements is proposed.*

WHEREAS The Ohio State University has applied to the FAA for federal funding to provide for airport improvements including construction of taxiways, expansion of parking aprons, and installation of floodlights; and

WHEREAS the University has received from the FAA Grant Agreement No. DOT-FA80-GL-8118, Project No. 5-39-0027-03 in the amount of \$293,955 for development of airport improvements as specified in Grant Agreement, dated June 12, 1980, attached hereto and made a part hereof by reference:

**NOW THEREFORE**

BE IT RESOLVED, That the Secretary of the Board of Trustees be authorized and directed to accept and execute, on behalf of the Board of Trustees of The Ohio State University, said FAA Grant Agreement for airport improvements.

Upon motion of Mr. Smith, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
GRANT AGREEMENT**

Part 1-Offer

Date of Offer June 12, 1980

Ohio State University Airport

Project No. 5-39-0027-03

Contract No. DOT-FA80-GL-8118

TO: Board of Trustees of the Ohio State University, Columbus, Ohio (herein referred to as the "Sponsor")

FROM: The United States of America (acting through the Federal Aviation Administration, herein referred to as the "FAA")

WHEREAS, the Sponsor has submitted to the FAA a Project Application (herein called an Application for Federal Assistance) dated May 14, 1980, for a grant of Federal funds for a project for development of the Ohio State University Airport (herein called the "Airport"), together with plans and specifications for such project, which Application for Federal Assistance, as approved by the FAA is hereby incorporated herein and made a part hereof; and

WHEREAS, the FAA has approved a project for development of the Airport (herein called the "Project") consisting of the following-described airport development:

Land Reimbursement (14.28 acres); Construct T-Hangar Taxiways (approx. 4,222 S.Y.); Overlay and expand Hangar 4 & 5 aircraft parking apron (approx. 7,400 S.Y.) and install floodlights; widen Taxiway "C" at R/W 32 threshold (approx. 1,089 S.Y.); construct T-Hangar service road (approx. 2,722 S.Y.); Overlay existing T-Hangar taxiways (approx. 1,067 S.Y.); Install new L-801 Beacon.

all as more particularly described in the property map and preliminary plans and specifications incorporated in the said Application for Federal Assistance.

NOW THEREFORE, pursuant to and for the purpose of carrying out the provisions of the Airport and Airway Development Act of 1970, as amended (49 U.S.C. 1701 et seq.), and in consideration of (a) the Sponsor's adoption and ratification of the representations and assurances contained in said Application for Federal Assistance, and its acceptance of this



Offer as hereinafter provided, and (b) the benefits to accrue to the United States and the public from the accomplishment of the Project and the operation and maintenance of the Airport as herein provided, THE FEDERAL AVIATION ADMINISTRATION, FOR AND ON BEHALF OF THE UNITED STATES, HEREBY OFFERS AND AGREES to pay, as the United States share of the allowable costs incurred in accomplishing the Project, 90 Percentum thereof.

This Offer is made on and subject to the following terms and conditions:

1. The maximum obligation of the United States payable under this Offer shall be \$293,955.00.
2. The Sponsor shall:
  - a. begin accomplishment of the Project within Thirty (30) days after acceptance of this Offer or such longer time as may be prescribed by the FAA, with failure to do so constituting just cause for termination of the obligations of the United States hereunder by the FAA;
  - b. carry out and complete the Project without undue delay and in accordance with the terms hereof, the Airport and Airway Development Act of 1970, as amended, and the Regulations of the FAA (14 CFR Part 152) in effect as of the date of acceptance of this Offer; which Regulations are hereinafter referred to as the "Regulations";
  - c. carry out and complete the Project in accordance with the plans and specifications and property map, incorporated herein, as they may be revised or modified with the approval of the FAA;
  - d. submit all financial reports on an accrual basis and if records are not maintained on an accrual basis, reports may be based on analysis or records or best estimates as required by the Regulations;
  - e. monitor performance under the Project to assure that time schedules are being met, projected work units by time periods are being accomplished, and that other performance goals are being achieved as established by the Regulations.
3. The allowable costs of the project shall not include any costs determined by the FAA to be ineligible for consideration as to allowability under the Regulations.
4. Payment of the United States share of the allowable project costs will be made pursuant to and in accordance with the provisions of the Regulations.

Final determination of the United States share will be based upon the final audit of the total amount of allowable project costs and settlement will be made for any upward or downward adjustments to the Federal share of costs. The grant closeout requirements will be in accordance with the Regulations.

5. The Sponsor shall operate and maintain the airport as provided in the Application for Federal Assistance incorporated herein and specifically covenants and agrees in accordance with its Assurance 20 in Part V of said Application for Federal Assistance, and Section 30 of the Airport and Airway Development Act, as amended, that in its operation and the operation of all facilities thereof, neither it nor any person or organization occupying space or facilities thereon will discriminate against any person by reason of race, color, creed, national origin or sex in the use of the facilities provided for the public on the airport.
6. The FAA reserves the right to amend or withdraw this Offer at any time prior to its acceptance by the Sponsor.
7.
  - a. The grantee assures that it will undertake an affirmative action program, as required by 14 CFR Part 152, Subpart E, to ensure that no person shall, on the grounds of race, creed, color, national origin, or sex, be excluded from participating in any employment, contracting, or leasing activities covered in 14 CFR Part 152, Subpart E. The grantee assures that no person shall be excluded, on these grounds, from participating in or receiving the services or benefits of any program or activity covered by this subpart. The grantee assures that it will require that its covered organizations provide assurance to the grantee that they similarly will undertake affirmative action programs and that they will require assurances from their suborganizations, as required by 14 CFR Part 152, Subpart E, to the same effect.
  - b. The grantee agrees to comply with any affirmative action plan or steps for equal employment opportunity required by 14 CFR, Part 152, Subpart E, as part of the affirmative action program or by any Federal, State, or local agency or court, including those resulting from a conciliation agreement, a consent decree, court order, or similar mechanism. The grantee agrees that State or local affirmative action plan will be used in lieu of any affirmative action plan or steps required by 14 CFR Part 152, Subpart E, only when they fully meet the standards set forth in 14 CFR 152.409. The grantee agrees to obtain a similar assurance from its covered organizations, and to cause them to require a similar assurance of their covered suborganizations, as required by 14 CFR Part 152, Subpart E.

8. This offer shall expire and the United States shall not be obligated to pay any part of the costs of the Project unless this offer has been accepted by the Sponsor on or before June 30, 1980 or such subsequent date as may be prescribed in writing by the FAA.
9. The Sponsor hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the Regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan insurance, or guarantee, the following Equal Opportunity Clause.

During the performance of this contract, the contractor agrees as follows:

- a. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination, rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices (to be provided) setting forth the provisions of this nondiscrimination clause.
- b. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- c. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice (to be provided) advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- d. The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

- e. The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- f. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part, and the contractor may be declared ineligible for further Government contracts or Federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulations, or order of the Secretary of Labor, or as otherwise provided by law.
- g. The contractor will include the portion of the sentence immediately preceding paragraph a. and the provisions of paragraphs a. through g. in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance. Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The Sponsor further agrees that it will be bound by the above Equal Opportunity clause with respect to its own employment practices when it participates in Federally assisted construction work: Provided that if the applicant so participating is a State or local Government, the above Equal Opportunity clause is not applicable to any agency, instrumentality, or subdivision of such Government which does not participate in work on or under the contract.

The Sponsor agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the

compliance of contractors and subcontractors with the Equal Opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The Sponsor further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from or who has not demonstrated eligibility for, Government contracts and Federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the Equal Opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part III, Subpart D, of the Executive Order. In addition, the Sponsor agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: cancel, terminate, or suspend in whole or in part this grant (contract, loan insurance, or guarantee); refrain from extending any further assistance to the Sponsor under the program with respect to which the failure or refund occurred, until satisfactory assurance of future compliance has been received from the Sponsor; or refer the case to the Department of Justice for appropriate legal proceedings.

10. The Sponsor hereby covenants and agrees that financial records of this project shall be established, maintained, and made available to appropriate personnel in conformity with Section 152.63 of the Regulations of the Federal Aviation Administration (14 CFR 152).
11. The Sponsor hereby covenants that it will not permit any permanent-type structures, other than structures required for aids to air navigation and such other structures as may be specifically excepted in writing by the FAA, to be erected on, and that it will cause any existing structures to be removed from, each area identified on the "Exhibit A" as "clear zone" or any portions thereof, concerning which the Sponsor has acquired a fee interest with Federal financial assistance, irrespective of whether such structures constitute an obstruction to air navigation.
12. It is understood and agreed that any and all reference to the term "Office of Management and Budget Circular No. A-102", as the same may appear in this agreement and any document incorporated and made a part thereof,

shall be deemed to read and mean "General Services Administration Federal Management Circular FMC 74-7". It is also understood and agreed that wherever the term "Project Application" appears in the agreement or in any other documents constituting a part of this agreement, it shall be deemed to mean "Application for Federal Assistance, FAA Form 5100-100".

13. It is understood and agreed by and between the parties hereto that, should evidence be discovered during construction, that objects of archeologic or historic interest may be unearthed, then construction will be halted for a reasonable time to enable the responsible State official to assess the matter.
14. This project and all work performed thereunder is subject to the Clean Air Act and the Federal Water Pollution Control Act. Accordingly:
  - a. The Sponsor hereby stipulates that any facility to be utilized in performance under the grant or to benefit from the grant is not listed on the Environmental Protection Agency (EPA) list of Violating Facilities.
  - b. The Sponsor agrees to comply with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations issued thereunder.
  - c. The Sponsor shall notify the FAA of the receipt of any communication from the EPA indicating that a facility to be utilized for performance of or benefit from the grant is under consideration to be listed on the EPA List of Violating Facilities.
  - d. The Sponsor agrees that it will include or cause to be included in any contract or subcontract under the grant which exceeds \$100,000, the criteria and requirements in these subparagraphs (a) through (d).
15. Assurance Number 18 of Part V of the Project Application incorporated herein is amended by including at the end of the second sentence the following language:

“ . . . including the requirement that (A) each air carrier, authorized to engage directly in air transportation pursuant to Section 401 or 402 of the Federal Aviation Act of 1958, using such airport shall be subject to non-discriminatory and substantially comparable rates, fees, rentals, and other charges and nondiscriminatory conditions as are applicable to all such air carriers which make similar use of such airport and which utilize similar facilities, subject to reasonable classifications such as tenants or nontenants, and combined passenger and cargo flights or all cargo flights, and such classification or status as tenant shall not be unreasonably withheld by any

Sponsor provided an air carrier assumes obligations substantially similar to those already imposed on tenant air carriers, and (B) each fixed base operator using a general aviation airport shall be subject to the same rates, fees, rentals, and other charges as are uniformly applicable to all other fixed base operators making the same or similar uses of such airport utilizing the same or similar facilities; provision (A) above shall not require the reformation of any lease or other contract entered into by a Sponsor before July 12, 1976. A Sponsor shall not require the reformation of any lease or other contract entered into by a Sponsor before July 1, 1975."

16. It is understood and agreed that no part of the Federal share of an airport development project for which a grant is made under the Airport and Airway Development Act of 1970, as amended (49 U.S.C. 1701 et seq.), or under the Federal Airport Act, as amended (49 U.S.C. 1101 et seq.), shall be included in the rate base in establishing fees, rates, and charges for users of the airport.
17. It is understood and agreed by and between the parties hereto that, with regard to Number 31 of the Sponsor Assurances of FAA Form 5100-100, wherein reference is made to "Part II, paragraph 7(a), 7(b) and 7(c)," such reference shall be deemed to refer instead to "Part II, Section C, paragraphs 4(a), 4(b) and 4(c)".
18. It is understood and agreed that the recipient (Sponsor) will comply with the following provision and further agrees that it will incorporate or cause to be incorporated such provision into all subsequent agreements between the recipient and any subrecipient and in all subsequent DOT-assisted contracts between recipients or subrecipients and any contractor:
  - a. Policy - It is the policy of the Department of Transportation that minority business enterprises as defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the MBE requirements of 49 CFR Part 23 apply to this agreement.
  - b. MBE Obligation - The recipient or its contractor agrees to ensure that minority business enterprises as defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that minority business enterprises have the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall

not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts.

- c. If as a condition of assistance the recipient has submitted and the Department has approved a minority business enterprise affirmative action program which the recipient agrees to carry out, this program is incorporated into this financial assistance agreement by reference. This program shall be treated as a legal obligation and failure to carry out its terms shall be treated as a violation of this financial assistance agreement. Upon notification to the recipient of its failure to carry out the approved program the Department shall impose such sanctions as noted in 49 CFR Part 23, Subpart E, which sanctions may include termination of the agreement or other measures that may affect the ability of the recipient to obtain future DOT financial assistance.
19. The Sponsor hereby agrees and covenants that any and all flood insurance coverage required by the Flood Disaster Protection Act of 1973 (P.L. 93-234), with respect to the buildings and/or personal property to be constructed and/or acquired under this project will be purchased prior to the acquisition or construction of any insurable interest and shall be maintained during the useful life of such buildings or personal property.
20. It is understood and agreed by and between the parties hereto that, the third sentence of Assurance No. 17, Part V of the Project Application, FAA Form 5100-100, Page 7 (4-76), is amended to read "However, these limitations on the duration of the covenants do not apply to the covenant against exclusive rights and real property acquired with Federal funds".
21. The Sponsor will conduct its programs and operate its facilities in accordance with the requirements of Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and will assure that no qualified handicapped person shall, solely by reason of his or her handicap be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, including discrimination in employment, under any program or activity that receives funds or benefits from this grant. The Sponsor further assures that its programs will be conducted and its facilities operated in compliance with the requirements imposed by or pursuant to 49 CFR Part 27.
22. The Sponsor shall provide for audit of this grant project to be made in accordance with Attachment P of Office of Management and Budget Circular A-102.
23. The Federal Government does not now plan to contemplate the construction of any structures pursuant to Paragraph 27 of Part V - Sponsor's Assurances



of the Project Application, dated May 14, 1980, and therefore, it is understood and agreed that the Sponsor is under no obligation to furnish any areas or rights without cost to the Federal Government under this Grant Agreement. However, nothing contained herein shall be construed as altering or changing the rights of the United States and/or the obligations of the Sponsor under prior Grant Agreements to furnish rent-free space for the activities specified in such agreements.

24. The parties hereto recognize that a continuing need exists for parking space for Government owned and controlled automotive equipment used or assigned for use in serving FAA facilities and equipment on or in the vicinity of the airport. It is agreed by the parties hereto that the Sponsor will continue to provide, without charge, designated parking space as now exists in reasonable proximity to FAA operations for such automotive equipment and that no change or modifications will be made in such designation without the consent of the parties hereto or their designated representative.

The parties hereto further recognize the need for adequate parking space for the motor vehicles used by the FAA employees for transportation to their place of employment and assign duty stations on the airport. It is fully understood by and between the parties hereto that the Sponsor has made adequate parking space available to these employees on terms that are as favorable as those provided to the Sponsor's employees and the employees of others having duty stations on the airport. It is agreed by the parties hereto that the relationship now existing with respect to automobile parking space for FAA employees will continue and that no change will be made to alter this relationship or to either curtail or enlarge the demand for the parking facilities designated without the consent and concurrence of the parties hereto or their designated representative.

25. It is understood and agreed by and between the parties hereto that the FAA will not make payments for eligible project costs which exceed 90% of the maximum Grant obligation or 90% of the latest estimated project costs, whichever is the lesser, until the Sponsor has submitted certification by the Engineer and Contractor, that each construction or specification item included in a payment application which would exceed the aforementioned controlling 90% limitation has been fully completed in accordance with the approved plans and specifications and represents final accepted quantities as determined by the specified method of measurement.

It is further understood and agreed that the FAA shall withhold the final 3% of the eligible project costs until the required "as built" plans have been received and approved by the FAA.

26. It is understood and agreed by and between the parties hereto that with respect to Paragraph 1, Part II - Section C of the Project Application, dated and made a part hereof, that the Sponsor will take such action as is necessary, including enactment of appropriate zoning, to assure compatible usage of land adjacent to or in the vicinity of the airport.
27. It is understood and agreed that the United States will not be obligated to pay for the land interests to Parcel 1 as shown on Exhibit "A", unless and until the Sponsor has submitted evidence of property interests satisfactory to the FAA free and clear of all encumbrances deemed objectionable by the FAA.
28. It is hereby understood and agreed by and between the parties hereto that this Offer is issued on the basis of the preliminary plans and specifications and that the Sponsor will not suffer the commencement of any construction work, not permit any advertisement for bids for accomplishment of any work under this project until final plans and specifications are submitted to the FAA by the Sponsor within 120 days after the acceptance of this Grant Offer and have been approved by the FAA.
29. It is understood and agreed by and between the parties hereto that Federal participation in the lighting system as described on page 1 hereof, is predicated upon the Sponsor submitting an Airport Lighting Operation and Maintenance Plan to the FAA and has been approved by FAA, and it is further understood and agreed that the United States shall not make or be obligated to make final payment of eligible project costs until the Airport Lighting Operation and Maintenance Plan has been submitted by the Sponsor and has been approved by the FAA.
30. It is mutually agreed by and between the parties hereto that the FAA shall withhold from the first partial and all succeeding Grant payments the sum of \$10,000.00 Federal until the Sponsor has submitted an updated set of the Master Plans which includes the Airport Layout Plan, determined satisfactory by the FAA.

The Sponsor's acceptance of this Offer and ratification and adoption of the Application for Federal Assistance incorporated herein shall be evidenced by execution of this instrument by the Sponsor, as hereinafter provided, and said Offer and Acceptance shall comprise a Grant Agreement, as provided by the Airport and Airway Development Act of 1970, as amended, constituting the obligations and rights of the United States and the Sponsor with respect to the accomplishment of the Project and the operation and maintenance of the Airport. Such Grant Agreement shall become effective upon the Sponsor's acceptance of this Offer and shall remain in full force and effect throughout the useful life of the facilities developed under the Project but in any event not to exceed twenty years from the date of

said acceptance except as otherwise provided in Sponsor's Assurance No. 17, Part V of the Project Application.

UNITED STATES OF AMERICA  
FEDERAL AVIATION ADMINISTRATION

BY (signed) James M. Opatrny  
TITLE Acting Manager, Detroit Airports  
District Office

Part II - Acceptance

The Board of Trustees of the Ohio State University does hereby ratify and adopt all statements, representations, warranties, covenants, and agreements contained in the Application for Federal Assistance and incorporated materials referred to in the foregoing Offer and does hereby accept said Offer and by such acceptance agrees to all of the terms and conditions thereof.

Executed this            day of July, 1980.

Board of Trustees of The Ohio State University  
(Sponsor)

By \_\_\_\_\_

(SEAL)

Title \_\_\_\_\_

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

CERTIFICATE OF SPONSOR'S ATTORNEY

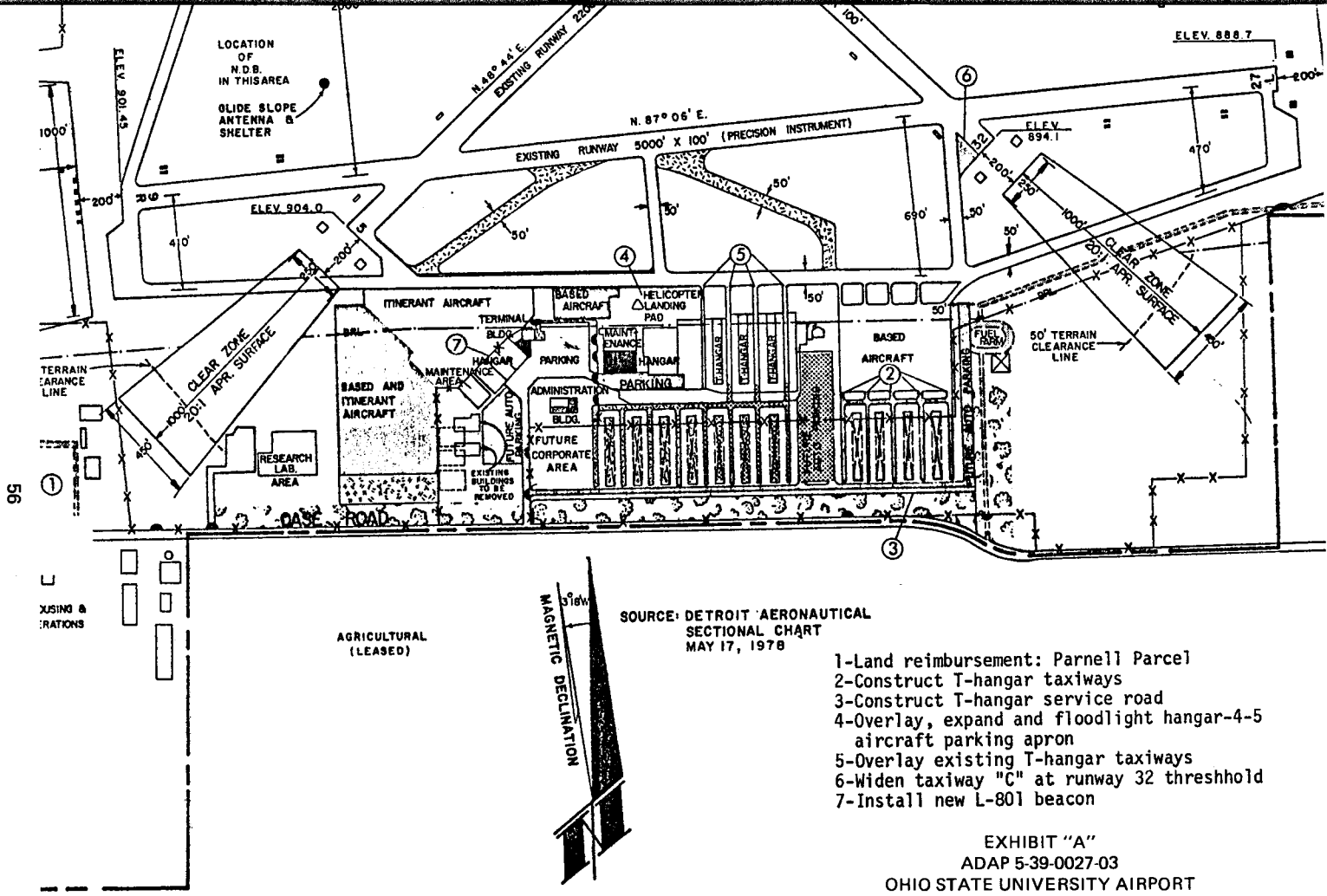
I, \_\_\_\_\_, acting as Attorney for Board of Trustees of the (herein referred to as the "Sponsor") do hereby certify: Ohio State University

That I have examined the foregoing Grant Agreement and the proceedings taken by said Sponsor relating thereto, and find that the Acceptance thereof by said Sponsor has been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the State of Ohio and the Regulations and further that, in my opinion, said Grant Agreement constitutes a legal and binding obligation of the Sponsor in accordance with the terms thereof.

Dated at Columbus, Ohio this            day of July, 1980.

TITLE \_\_\_\_\_

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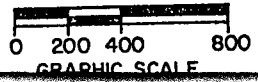
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LOCATION OF N.D.B. IN THIS AREA  
GLIDE SLOPE ANTENNA & SHELTER

SOURCE: DETROIT AERONAUTICAL SECTIONAL CHART  
MAY 17, 1978

- 1-Land reimbursement: Parnell Parcel
- 2-Construct T-hangar taxiways
- 3-Construct T-hangar service road
- 4-Overlay, expand and floodlight hangar-4-5 aircraft parking apron
- 5-Overlay existing T-hangar taxiways
- 6-Widen taxiway "C" at runway 32 threshold
- 7-Install new L-801 beacon

EXHIBIT "A"  
ADAP 5-39-0027-03  
OHIO STATE UNIVERSITY AIRPORT  
May 14, 1980



**TRAVEL REIMBURSEMENT**

Resolution No. 81-16

*Synopsis: Changes in travel reimbursement for in-state travel is recommended.*

WHEREAS the Office of Budget and Management has amended Rule 126-1-02 of the Administrative Code to increase the maximum reimbursement allowance for meals, lodging, and mileage for travel within Ohio by State employees on official business; and

WHEREAS amended Rule 126-1-02 of the Administrative Code also permits the Director of the Office of Budget and Management to further increase in-state travel reimbursement rates for meals, lodging, and mileage within limits established by the Rule:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the revised in-state reimbursement rates for meals, lodging, and mileage established by amended Rule 126-1-02 of the Administrative Code and adopt the revised mileage reimbursement rate for out-of-state travel; and

BE IT FURTHER RESOLVED, That the Board of Trustees authorize the Vice President for Business and Administration to further increase these reimbursement rates at such time as additional increases within the limits established by Rule 126-1-02 of the Administrative Code are authorized by the Director of the Office of Budget and Management.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**LEASE AND EASEMENT - COLUMBIA GAS OF OHIO, INC.**

Resolution No. 81-17

*Synopsis: Lease and easement to Columbia Gas of Ohio, Inc., is proposed.*

WHEREAS the University has received a request from Columbia Gas of Ohio, Inc., for a twelve-inch gas line across State of Ohio (The Ohio State University) lands from the intersection of Case and Sawmill Roads north along the east side of Sawmill Road for a distance of approximately 3,848 feet, and a request for the lease of a 30' x 30' tract of land for a gas metering station at the northern terminus of the easement; and

WHEREAS Columbia Gas of Ohio, Inc., ultimately plans to link this gas line with an already existing gas line located north of Interstate 270 and east of Sawmill Road; and

WHEREAS the University will be permitted to tap into the gas line if the University should need gas service in that area; and

July 11, 1980 meeting, Board of Trustees

**LEASE AND EASEMENT - COLUMBIA GAS OF OHIO, INC. (contd)**

WHEREAS the appropriate University agencies have recommended that said easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to request the Director of Public Works, Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easement and lease.

President Enarson:

This item was heard and acted upon favorably by the Fiscal Affairs Committee. It's a recommendation for a lease and easement to Columbia Gas of Ohio as is indicated in the resolution before you.

Mr. Redman:

I have the same question about that as I had about the other one. Three thousand eight hundred feet; that's better than half a mile.

Mr. Jackson:

Well, I'm not sure, Mr. Redman, that the dollars are right. We are receiving payment for that lease and it--

Mr. Redman: How much?

Mr. Jackson:

\$800--if my memory serves me right--it's \$875 or \$900, somewhere in that neighborhood.

Mr. Redman:

Well, I can tell you that isn't enough. What about the lease--you mentioned the lease in there. How much are they going to pay us for the lease? The 30 x 30 foot tract--

Mr. Jackson:

The lease is all-inclusive, and it is in line with the Department of Administrative Services regulations, and we were told by them that that was the rate which we were allowed to charge.

Mr. Redman: You mean there is a limitation on what we can charge?

Mr. Jackson:

That was the direction that we were given by the Department of Administrative Services which negotiates leases downtown. I can go back and take another look at it.

July 11, 1980 meeting, Board of Trustees

**LEASE AND EASEMENT - COLUMBIA GAS OF OHIO, INC. (contd)**

President Enarson: I think we ought to take a fresh look at it.

Mr. Redman: But I'll be glad to look at it with you if you want.

Mr. Devenow:

Will you do that, Ed, and we'll table this thing until you--can we do that? Let's table it until such time as you have had a chance to look at it.

Mr. Redman:

Yes, I think we have got to have *quid pro quo* here, and if we're going to do it with one fellow down here then we ought to do it with all of them.

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**ACCESSION OF PROPERTY - 228 ACRES IN PLEASANT TOWNSHIP**

Resolution No. 81-18

*Synopsis: Accession of a farm of approximately 228 acres in Pleasant Township and the establishment of a charitable remainder annuity trust and the Dr. Roger C. and Margery W. Henderson Memorial Fund are proposed.*

WHEREAS the late Dr. Roger C. Henderson of Xenia, Ohio, through his Last Will and Testament, made a gift to The Ohio State University, through The Ohio State University Development Fund, of his undivided one-half interest in real property known as the Star Tip Farm, consisting of approximately 228 acres in Pleasant Township of Franklin County, subject to assumption by the University of a mortgage on the property; and

WHEREAS Dr. Henderson's Will provides that his interest in this property is to constitute the Dr. Roger C. and Margery W. Henderson Memorial Fund, the income from which is to be used, in equal parts, for the benefit of the College of Agriculture and the Department of Ophthalmology of the College of Medicine for their research or merit scholarship programs, as determined and directed by the Board of Trustees of the Development Fund; and

WHEREAS Dr. Henderson's widow, Margery W. Henderson, who is the owner of the remaining undivided one-half interest in the Star Tip Farm, desires to make a gift of her interest in this property to the University, through the Development Fund; and

WHEREAS a condition of this gift by Mrs. Henderson is that the gift constitute a charitable remainder annuity trust under which the University will pay to Mrs. Henderson an annual annuity, for so long as she shall live, of seven percent of \$169,078.00, which represents the value of her interest in the property plus the chattel, less one-half of the mortgage, and upon her death make the gift part of the Dr. Roger C. and Margery W. Henderson Memorial Fund; and

July 11, 1980 meeting, Board of Trustees

**ACCESSION OF PROPERTY - 228 ACRES IN PLEASANT TOWNSHIP (contd)**

WHEREAS it has been determined that acceptance of these gifts and the establishment of the Dr. Roger C. and Margery W. Henderson Memorial Fund are in the best interests of the University:

NOW THEREFORE

BE IT RESOLVED, That:

- (a) The interest of the late Dr. Roger C. Henderson in the Star Tip Farm be accepted as a gift to the University through the Development Fund by conveyance of a General Warranty Deed to the Board of Trustees of The Ohio State University; and
- (b) This gift constitute the Dr. Roger C. and Margery W. Henderson Memorial Fund; and
- (c) The University assume the mortgage on the property; and
- (d) The interest of Margery W. Henderson in the Star Tip Farm be accepted as a gift to the University through the Development Fund by conveyance of a General Warranty Deed to the Board of Trustees of The Ohio State University; and
- (e) This gift constitute a charitable remainder annuity trust as specified above; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized to acquire title to the property constituting these gifts in the name of the Board of Trustees of The Ohio State University and to sign and execute on behalf of the Board of Trustees the documents and instruments necessary to carry out the conditions of these gifts.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**CONSTRUCTION OF A VETERANS ADMINISTRATION CLINIC**

Resolution No. 81-19

*Synopsis: Authorization is requested to increase the commitment of University Endowment funds to \$5,250,000 to provide for the additional requirements of the General Services Administration in the construction of a Veterans Administration Clinic.*

WHEREAS this Board, by resolution at its February 3, 1978 meeting, authorized the Administration to submit to the General Services Administration a proposal for the use of Endowment Funds to construct a University facility to be leased to the General Services



July 11, 1980 meeting, Board of Trustees

**CONSTRUCTION OF A VETERANS ADMINISTRATION CLINIC (contd)**

Administration for the use of the Veterans Administration in consolidating and expanding all of the VA's out-patient services in Franklin County and the Board further authorized commitment of Endowment Funds up to \$3,500,000 to construct the facility; and

WHEREAS the General Services Administration accepted the University's proposal on January 25, 1979, for construction of a facility at a cost of approximately \$2,922,950; and

WHEREAS the General Services Administration submitted revised plans and requirements in December, 1979, necessitating extensive changes in the interior design of the facility at an additional cost of approximately \$1,760,000; and

WHEREAS these changes plus revisions determined by the University to be necessary to improve service to the building will result in a total construction cost of approximately \$4,855,200, thus requiring an increase in the total commitment from the University Endowment; and

WHEREAS the Fiscal Affairs Committee has reviewed and recommended this additional authorization:

NOW THEREFORE

BE IT RESOLVED, That the total commitment of funds from the University Endowment available to construct the Veterans Administration Clinic be increased to no more than \$5,250,000 to provide for the revised interior requirements of the General Services Administration, enhance University services available to the facility, and provide a contingency reserve.

President Enarson:

This item was discussed in some painful detail this morning and was acted upon favorably. Finally this is a recommendation to increase the authorization and effect a commitment of University endowment funds up to \$5,250,000 to provide for the additional requirements of the General Services Administration in the construction of the Veterans Administration Clinic. The clear understanding I have and the clear commitment that I made this morning is that if and when this is adopted, we will communicate by letter with GSA and VA the acute concerns of the Board with the escalation of cost and its determination that this be the final increase in the cost of it.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**DEPENDENTS' GROUP TERM LIFE INSURANCE PROGRAM**

Resolution No. 81-20

*Synopsis: An improvement to the dependent group term life insurance program is proposed.*

July 11, 1980 meeting, Board of Trustees

**DEPENDENTS' GROUP TERM LIFE INSURANCE PROGRAM (contd)**

WHEREAS the Board of Trustees on January 10, 1975, authorized a dependents' group term life insurance program to become effective February 1, 1975; and

WHEREAS faculty/staff participation in this program has been significant; and

WHEREAS the Ohio Revised Code was recently amended to raise the ceiling of the coverage which may be purchased under group term life insurance plans for dependents; and

WHEREAS by implementing the proposed program modifications, University faculty/staff will be able, on an optional basis, to select and purchase one of the following life insurance plans for spouses and dependent children at premium levels specified:

	Amount of Life Insurance		
	Plan I	Plan II	Plan III
Spouse	\$5,000	\$10,000	\$10,000
For each dependent child:			
a. Under 15 days of age	-0-	-0-	-0-
b. 15 days of age but under 6 months of age	500	1,000	2,500
c. 6 months of age and over	2,500	5,000	10,000
Monthly premium (faculty/staff payroll deduction)	\$2.00	\$4.00	\$6.00

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Vice President for Personnel Services be authorized to implement this improvement; and

BE IT FURTHER RESOLVED, That the University's existing contracts with John Hancock Mutual Life Insurance Company (Contract No. 58175-GTC as amended for faculty/staff and Contract No. 58175-GTC-100 as amended for classified and hourly employees) be amended to include this improvement to the dependents' group term life insurance, effective November 1, 1980.

Mr. Scott:

Simply what we're asking for approval of is that for many years under the Ohio Revised Code there were express limits as to the amount of insurance that the University could provide for dependents of faculty and staff. The change now is that we have a raise in that ceiling, and what we are suggesting is that we would like to offer the option to the faculty and staff of three basic plans and the plans are spelled out 'Plan 1,' 'Plan 2,' 'Plan 3.' The law further provides that the University is not permitted to pick up the costs for these premiums. We have had the insurance program in effect since 1975, and basically what we are suggesting here is, given the opportunity to increase the upper limits, we would like to propose that the Board allow us to do that for faculty and staff.

July 11, 1980 meeting, Board of Trustees

**DEPENDENTS' GROUP TERM LIFE INSURANCE PROGRAM (contd)**

Mr. Redman: Where does it say they're going to pay for it?

Mr. Scott:

It is in this middle part here, Mr. Redman, monthly premium faculty and staff payroll deduction--do you see it?

Mr. Redman: Yes, but is that the entire cost?

Mr. Scott: Yes, sir.

Mr. Redman: It doesn't say that.

Mr. Scott: We'll be more precise next time.

Mr. Redman: Your word is sufficient.

Mr. Scott: Thank you.

Mr. Devenow: Any other questions?

Upon motion of Dr. Jacob, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS**

Resolution No. 81-21

*Synopsis: Approval for reimbursement of expenses for designated Administrative Officials is requested.*

WHEREAS the Fiscal Affairs Committee has authorized the payment of expenses for designated administrative officials; and

WHEREAS it is deemed in the best interest of the University for the Fiscal Affairs Committee to provide from the unrestricted gifts to the University Endowment Fund on an appropriate basis, to the President and designated University officials, reimbursement for expenditures which are directly and necessarily related to the performance of their assigned responsibilities and in the best interest of the University:

**NOW THEREFORE**

**BE IT RESOLVED**, That the Fiscal Affairs Committee be authorized to provide reimbursement to designated University officials from unrestricted gifts to the University Endowment Fund.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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July 11, 1980 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-22

RESOLVED, That the report on the University's Investment Portfolio, dated June 30, 1980, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**COMMENTS BY PRESIDENT HAROLD L. ENARSON**

**ENROLLMENT**

I have several items and it won't take but a moment. Everyone was here this morning at the time of the Educational Affairs Committee when Dr. Schoen reported on summer and autumn enrollments. We're heartened by the fact that our enrollment for the summer session is up 6.6 per cent. We are on target with respect to our anticipated first-quarter freshmen in the coming fall. We are on target with respect to the number of returning students and, in short, we are still enjoying the ample students knocking at our doors. I say that because many of you around this table will be hearing a far different report before this decade is over. You won't be hearing it from me, but you'll be hearing it from somebody; I hope you like her anyway, whoever she is.

**WOMEN'S INTERCOLLEGIATE ATHLETICS**

One other thing I would like to report on that I hope will be of some interest to you--perhaps I attach more importance to it than I should; although I don't think so. The Council of Ten consists of the Presidents of the Big Ten institutions associated with the Western Athletic Conference, the so-called Big Ten. In large part, at the insistence of this institution and several others, the Council of Ten committed itself to an all-day meeting in Chicago last Monday to be devoted to one topic and one topic only, and to be resolved or else, and that was the issue of the role of women's intercollegiate athletics in our respective institutions.

Now I won't burden you with the Byzantine complexities of the arguments; suffice it to say that several institutions wanted to let women's sports develop independently, develop outside the framework of the Big Ten. They felt, and I know sincerely, that women's sports would be dwarfed by men's sports--the Western Athletic Conference being essentially a conference of men's sports. The majority, of which I was a member, felt otherwise. The question was how to bring this about. I don't have the text of the resolution with me at the moment, but in effect we have now instructed the faculty representatives, one from each institution, along with ten additional faculty members, one from each institution so that's twenty in all. We have asked that group to assemble as quickly as possible and to develop an implementation plan, and just late yesterday afternoon I secured the consent of Dr. Joanne Stevenson, a member of our faculty who, some years ago, served as a member of the Athletic Council. She has agreed to serve on

July 11, 1980 meeting, Board of Trustees

**COMMENTS BY PRESIDENT HAROLD L. ENARSON (contd)**

**WOMEN'S INTERCOLLEGIATE ATHLETICS (contd)**

this group. We have asked that this group get moving immediately. We have scheduled the next meeting of the Council of Ten in Chicago, December 15, and I think there is a reasonably good chance that we'll have a plan by then.

We had considerable discussion this morning about the budget, about the new era, about budget stringencies. I wish that we had been able to act on this matter of women's intercollegiate sports some years ago, but there is a--had we been able to do so, we would now be free to address much larger problems coming down the pike. These are questions of what is affordable in the way of intercollegiate sports. The University of Colorado, as you all know, has abolished seven non-revenue sports. In my judgment that's just the beginning of a development that is going to sweep the country. It is a very, very serious matter in my judgment when a university is forced to invade its academic resources and make dollars available to underwrite an athletic program. We have all been enormously proud of what this University has done over the years. We have a program which is one of self-sufficiency, and it's the firm determination of this administration that it will continue to be self-sufficient. I see this step that the Council of Ten has taken as really the first in a series of steps which will enable us to get a better handhold for costs as well as provide a better framework for getting reasonable consistency in the rules applying to women's sports and men's sports. I simply thought that that ought to be recorded.

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Thereupon the Board adjourned to meet Friday, September 5, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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APPENDIX I

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

August 29, 1980

## Recipients of Honors

### **Marshall D. Shulman** **Doctor of Laws**

Distinguished scholar, teacher, and authority on foreign policy, Marshall D. Shulman is internationally recognized as an expert on Soviet-American relations. His scholarly research and writing reflect the keen insight into world affairs that has made him an invaluable adviser to government. His leadership in the academy, as director of the Russian Institute at Columbia University and in other key positions, has advanced the cause of world understanding. As Special Adviser to the Secretary of State on Soviet Affairs, Ambassador Shulman brings to public service the highest attributes of the scholarly tradition. The Ohio State University is pleased to honor him for his eminent career.

### **Barbee William Durham** **Distinguished Service Award**

As staff pharmacist and supervisor of the Reagent Laboratory, Barbee William Durham has served this University for more than 43 years with a high sense of professional mission and unusual dedication. Never one to be satisfied with merely getting the job done, he repeatedly found ways to do the job better. He was an invaluable partner of faculty. His skill and promptness in preparing compounds and his counsel to those engaged in research advanced the purposes of this University. His contributions to professional journals shared his insights with the wider academic community. Beyond the borders of the campus he demonstrated a deep concern for and made lasting contributions to the furtherance of interracial justice. In his personal and professional life, he has brought great credit to his alma mater.

### **Lawrence E. Kunkle** **Distinguished Service Award**

Professor emeritus of animal science, Lawrence E. Kunkle served this University with dedication and distinction for 40 years. Under his leadership, Ohio State developed a superior and unique Meat Laboratory program, combining research and teaching with the preparation and supply of meat for campus use. His research into the improvement of beef cattle and swine earned national distinction. His deep interest in students extended far beyond the requirements of the classroom. As coach of the meats judging team for 18 years, he gave Ohio State students invaluable counsel drawn from a lifetime of experience. His wide-ranging contributions to animal science and his many services in behalf of the total University provide a lasting example of academic citizenship in its fullest and finest meaning.

### **James W. Phillips** **Distinguished Service Award**

Loyal alumnus and abiding friend of this University, James W. Phillips has played a significant role in helping Ohio State meet the challenges of academic excellence. In generous measure he invested his time and talent to advance the cause of teaching and research. As chairman of the Development Fund Board of Directors, he provides essential leadership in furthering the University's program of private support. As treasurer of the OSU Alumni Association he demonstrated the deep commitment that has characterized his many services in behalf of alma mater. In all respects, he has been to this University a true friend and partner, sharing its visions and dedicated to its future. For his many contributions, he has earned the high regard and enduring gratitude of The Ohio State University.



**Jacqueline D. Sisson  
Distinguished Service Award**

Nationally recognized fine arts librarian, Jacqueline D. Sisson has served this University with unusual devotion. Her tenure as head of the Fine Arts Library has been marked by qualitative excellence, continuous growth, and involvement in all areas of library service, research, and publication. Under her skilled guidance, one of the finest art libraries in the state was developed at this University. Her pioneering work in regional library cooperation has become a national model. Her prominent position in national art associations has earned for her deserved recognition as a leading librarian in her field. An alumna of this University, she has brought great credit to her alma mater. Even more importantly, she has provided all who have been privileged to be her colleagues with an inspiring example of professional excellence.

**Grady Smith  
Distinguished Service Award**

Former Administration Building custodian, Grady Smith served this University for many years with great dignity and efficiency. His gracious smile, his personal charm, his humane attitude, and his total loyalty to this institution all joined to make him a symbol of the countless members of the supporting staff who dedicate their lives to this University and without whom it could not function. His friendly approach endeared him to all who worked with him. His personal standards of performance were of the highest order. In their own special way, his unique contributions have added their measure to the stature of The Ohio State University. The high character and quality of his service will stand as a model and a continuing challenge to all who follow.

**Leo G. Staley  
Distinguished Service Award**

Professor and director of intra-mural sports emeritus, Leo G. Staley served this University for 40 years with vision and vitality and played a key role in enriching the lives of thousands of students. Under his leadership for 27 years, the intramural program flourished. He added new sports, increased the number of teams, and promoted the program through an annual handbook—all with the objective of encouraging more students to share the values and benefits of intramural competition. Active in many other aspects of University life, he was well-known for 25 years as the Voice of the Buckeyes at home football and basketball games. Students for generations to come will continue to benefit from his outstanding service and the many contributions he made to his alma mater.

**I. Keith Tyler  
Distinguished Service Award**

Professor emeritus in the College of Education, I. Keith Tyler has been an international leader for more than four decades in the use of radio and television for educational purposes. For 27 years he was the guiding force behind the Institute for Education by Radio and Television. In 1936, he established the highly prized Ohio State Awards to recognize and foster excellence in broadcasting. A gifted and dedicated teacher, he took particular interest in helping foreign students develop programs that could be transferred to other cultures. Through them his influence continues worldwide. The honors he has received can suggest only in a limited way the significance of his many contributions, the high regard and affection of his colleagues, and the unusual distinction with which he has served this University.

**Francis P. Weisenburger  
Distinguished Service Award**

Professor emeritus of history, Francis P. Weisenburger served this University for nearly 50 years with a dedication surpassed only by his unfailing consideration of students and colleagues alike. His scholarly writing provides a rich heritage for students of Ohio history. His exceptional ability to inspire students was widely recognized. Not least among his many lasting contributions to this University is his book, *The Fawcett Years, 1956 to 1972*. The research and writing that went into this volume of the University's history were a labor of love, reflecting a continuing devotion to his scholarly discipline and to the University he served so well for so long. He has earned the abiding affection and respect of his students and colleagues, the ultimate tribute to one who pursues the academic life.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Musical Arts

Robert Michael Daugherty, Jacksonville, N. C.; B.A. (Denison University); M.A.; Music; Dr. Marshall H. Barnes

Eric Paul Ohlsson, Hammond, La.; B.M.Ed. (Madison College); M.M.; Music; Dr. Robert A. Titus

## Doctor of Philosophy

Joseph Adegboyega Abioye, Iwo, Nigeria; Diploma (Ahmadu Bello University); B.A. (University of Ife); M.A.; Physical Education; Dr. Seymour Kleinman

James Bruce Achmoody, Columbus; A.B. (Ashbury College); M.S.; Poultry Science; Dr. John R. Chipley

Dwayne Alfred Adcock, Eugene, Ore.; B.A. (Mt. Angel Seminary); M.S. (University of Oregon); Education; Dr. Gilbert A. Jarvis

Mary Lewnes Albrecht, Columbus; B.S. (Rutgers University); M.S.; Horticulture; Dr. Harry K. Tayama

Dan Steven Archdeacon, Columbus; A.B. (Earlham College); M.S.; Mathematics; Dr. Henry H. Glover

James Scott Backer, Columbus; B.A. (Rollins College); Genetics; Dr. Carl W. Birky, Jr.

Dalynn Thiel Badenhop, Archbold; B.S.Ed., M.Ed. (Bowling Green State University); Physical Education; Dr. Edward L. Fox

Harish Chander Bahl, Punjab, India; B.M.E. (University of Delhi); M.Tech. (Indian Institute of Technology); Business Administration; Dr. Larry Paul Ritzman

Linda Moffatt Bainbridge, Newark; B.F.A. (Ohio University); M.A.; Education; Dr. Lonnie H. Wagstaff

Douglas Wayne Balogh, Columbus; B.S. (Bowling Green State University); Chemistry; Dr. Leo A. Paquette

Edward Michael Bamber, Columbus; B.Ec. (Monash University); Accounting; Dr. Thomas J. Burns

Keith Douglas Barnes, Columbus; B.S. (Lock Haven State College); Chemistry; Dr. John A. Secrist

Bamdad Bastani, Tehran, Iran; B.S. (University of Arkansas); M.S.; Electrical Engineering; Dr. Martin O. Thurston

Carlton James Bates, Gahanna; B.S., M.S. (Pennsylvania State University); Mechanical Engineering; Dr. Ernest O. Doebelin

Behzad Bavarian, Tehran, Iran; B.Sc. (Tehran University); Metallurgical Engineering; Dr. Digby D. Macdonald

Girma Begashaw, Sidamo, Ethiopia; B.S. (Haile Sellassie University); M.S. (Michigan State University); Agricultural Economics and Rural Sociology; Dr. Dale W. Adams

Philip Anthony Belcastro, Columbus; B.A. (Brooklyn College); M.A. (Western Kentucky University); Health (Physical) Education; Dr. Philip Heit

Alan Paul Bender, Columbus; B.A., B.S.Vet.Med., M.S., D.V.M. (University of Minnesota); Veterinary Preventive Medicine; Dr. C. Richard Dorn

Rosemarie Ann Benya, Columbus; B.A. (Notre Dame College); M.A. (Middlebury College); Education; Dr. Edward D. Allen

Donald Lee Brannan, Worthington; B.A. Ed. (Wichita State University); M.Ed. (College of Idaho); Education; Dr. Aaron J. Müller

Jerome Richard Brockway, Worthington; B.S., M.E. (Bowling Green State University); Education; Dr. James E. Sage

Annick Girard Brown, Columbus; License d'Anglais (University of Nantes); M.A. (Pennsylvania State University); Romance Languages and Literatures; Dr. Hans E. Keller and Dr. David A. Griffin

Maynard Sexton Burkett, Columbus; B.S., M.S.Ed. (Virginia Polytechnic Institute); Agricultural Education; Dr. Lawrence H. Newcomb

Michael Fletcher Burnett, Spartanburg, S. C.; B.S.Ag.Ed., M.Ag.Ed. (Clemson University); Agricultural Education; Dr. J. David McCracken

Carl T. Camden, Columbus; B.A. (Southwest Baptist College); M.A., M.S. (Central Missouri State University); Communication; Dr. Michael T. Motley

Eduardo S. Canlas, Manila, Philippines; B.S., M.A. (Xavier University); Agricultural Economics and Rural Sociology; Dr. Donald W. Larson

Arthur Joseph Cara, Columbus; B.A. (University of Dayton); M.A. (University of North Carolina); Communication; Dr. Joseph J. Makay

Wayne Jeffrey Carlson, Columbus; B.S. (Rensselaer Polytechnic Institute); Astronomy; Dr. Eugene R. Capriotti

Robert Wayne Case, Columbus; B.S. (State University College of Brockport); Physical Education; Dr. Barbara A. Nelson

John Carroll Chitwood, Xenia; B.A., M.A. (University of Texas); Public Administration; Dr. Sven B. Lundstedt

Bong Dae Choi, Taegu, Korea; B.S., M.S. (Kyungpook National University); Mathematics; Dr. Louis Sucheston

Wing-Sun Chow, Hong Kong; B.P. (Washington State University); Pharmacy; Dr. Louis Malapeis

Frank Joseph Cody, Cleveland; A.B., M.A. (Loyola University); Education; Dr. Walter G. Hack

Robert H. Colson, Columbus; B.A. (University of Notre Dame); M.A.; Accounting; Dr. Thomas J. Burns

Shelby Crowe, Dayton; A.B. (Eastern Kentucky State University); M.Ed. (Miami University); Education; Dr. Elsie J. Alberty

Lawrence Emmanuel Dalzine, Xenia; B.A. (Texas Southern University); M.A. (University of Houston); Sociology; Dr. John Seidler

Palash Kusum Parijat Das, Bombay, India; B.S. (University of Poona); M.S. (Indian Institute of Technology, Bombay); M.S.; Physics; Dr. K. Narahari Rao

Daniel Leifeld Davis, Westerville; B.A. (Otterbein College); M.Ed. (Kent State University); Education; Dr. James V. Wigtil

Hazel C. Davis, Frankfort, Ky.; B.S. (Madison College); M.A. (Western Kentucky University); Education; Dr. Anthony A. Olizock and Dr. Aaron J. Miller

Jerry Grant Davis, Worthington; B.A., M.Ed. (Central State College); Education; Dr. Otto Santos, Jr.

Barbara Ann Dean, Nashua, N. H.; B.S. (Rensselaer Polytechnic Institute); Chemical Physics; Dr. Philip E. Wigen

Steven Roland DeLapp, Minneapolis, Minn.; B.S., M.Ed. (University of North Dakota); Education; Dr. Charlotte S. Huck

Mary Alice Desiderio, Columbus; B.S. (Florida State University); M.S.; Physiology; Dr. Kenneth M. Hanson

Carmen Diaz, Columbus; B.A., M.S.W. (University of Puerto Rico); Social Work; Robert M. Ryan

Phillip Edward Duren, Hartsville; B.S. (University of Kentucky); Education; Dr. Alan R. Osborne

Donald Michael Ehret, Canton; B.A. (Mount Union College); M.A.; Theatre; Dr. Donald R. Glancy

Sheva Farkas, South Euclid; B.F.A., M.A. (New York University); Communication; Dr. Joseph M. Foley

Patrick James Fell, Fredericksburg, Va.; B.S., M.A. (Pennsylvania State University); M.S.; Geodetic Science; Dr. Ivan I. Mueller

Donald Lewis Fischer, Columbus; B.S. (Southern University and Agricultural and Mechanical College); M.A.; Psychology; Dr. Robert C. MacCallum

Jeffrey Douglas Fisher, Dublin; B.S. (Purdue University); M.B.A. (Wright State University); Business Administration; Dr. Ronald L. Raester

- Michael William Fleming, Manchester, Conn.; B.S. (Fairfield University); M.S.; Zoology; *Dr. John D. Harder*
- Sherry L. Dupere Flinchum, Cincinnati; B.S., M.S. (University of Cincinnati); Microbiology; *Dr. Bruno J. Kolodziej*
- Harry Ford, Philadelphia, Pa.; B.S. (Saint Joseph's College); Biochemistry; *Dr. Edward J. Behrman*
- Douglas John Forsyth, Columbus; B.S. (Carleton University); M.S.; Zoology; *Dr. Tony J. Peterle*
- Yiu Kai Fung, Hong Kong; B.S. (University of Wisconsin); Pharmacy; *Dr. Norman J. Uretsky*
- Howard Ray Gamble, Milford, N. J.; B.S.; (Lafayette College); M.S. (Adelphi University); Zoology; *Dr. Peter W. Pappas*
- David Michael Gange, Belleair Bluffs, Fla.; B.S. (Tulane University); Chemistry; *Dr. Philip D. Magnus*
- Cicek Gercel, Tallahassee, Fla.; Medical Microbiology; *Dr. Vincent V. Hamparian*
- Bahman Ghorashi, Euclid; M.S.; Chemical Engineering; *Dr. Robert S. Brodkey*
- Jack Herbert Goldman, Columbus; B.S. (State University of New York); M.S.; Environmental Biology; *Dr. Sheldon I. Lustick*
- Sylvie J. Gosselin, Saint Damase, Canada; D.V.M. (University of Montreal); Veterinary Pathology; *Dr. Charles C. Capen*
- William Robert Gower, Jr., Columbus; B.A. (University of Delaware); Biochemistry; *Dr. David H. Ives*
- Joan Neff Louise Gurney, Columbus; B.A. (University of Delaware); M.A.; Sociology; *Dr. Richard J. Lundman*
- Austin Kent Hagan, Levittown, Pa.; B.S. (Indiana University of Pennsylvania); M.S.; Plant Pathology; *Dr. Philip O. Larsen*
- Gloria Wanchick Hall, Indianapolis, Ind.; B.S.Ed. (Clarion State College); Education; *Dr. Sharon E. Fox*
- Johannes Ernst Harl, Nuernberg, West Germany); B.A. (University of Erlangen); M.B.A. (University of Munchen); Business Administration; *Dr. Larry P. Ritzman*
- Nancy Ann Hawes, Sidney; M.A.; Communication; *Dr. Paul S. Niewander*
- Richard Lee Henry, Columbus; B.A. (University of Northern Colorado); M.S. (Cleveland State University); Physics; *Dr. David B. Tanner*
- Lynne E. Hobstetter, Columbus; B.S., M.S. (State University of New York, Albany); M.A.; Psychology; *Dr. Henry R. Angelino*
- John Thomas Holton, Columbus; A.B. (University of Illinois); Education; *Dr. Robert B. Sutton*
- Lawrence Donald Howell, Dayton; B.S. (U.S. Air Force Academy); M.S.; Industrial and Systems Engineering; *Dr. Walter C. Giffin*
- Amri Jahi, Bogor, Indonesia; Indinyur (Rogor Agricultural University); Agricultural Education; *Dr. Lawrence H. Newcomb*
- Ann Louise Wolf Javitch, Columbus; B.A. (Russell Sage College); M.E.D. (Boston College); Education; *Dr. Joseph J. Quaranta, Jr.*
- David Gerald Javitch, Columbus; B.A., M.A.; Education; *Dr. Donald J. Tosi*
- Reid Jilek, Gahanna; B.S. (Southern Illinois University); Zoology; *Dr. John L. Crites*
- Rebekah Lee Jorgensen, Santa Barbara, Calif.; B.A., M.A.; Communication; *Dr. Robert W. Wagner*
- Andrew Mark Juhas, Columbus; A.B. (Ohio University); M.A.; Social Work; *Dr. Joseph J. Parnicky*
- Max Earl Kanagy, Columbus; B.S.; Education; *Dr. Willis E. Ray*
- Allen Jeffrey Karlin, Santa Barbara, Calif.; B.A. (Queens College); M.A. (Illinois State University); Communication; *Dr. Victor D. Wall, Jr.*
- David Michael Kemme, Fairfield; B.A. (Miami University); M.A.; Economics; *Dr. Thomas A. Wolf*
- Mary Theresa Kim, Worthington; A.B. (University of Rhode Island); A.M.L.S. (University of Michigan); Education; *Dr. William E. Loadman*
- Youngna Kim, Columbus; B.A. (Muhlenberg College); M.A.; History of Art; *Dr. Mathew Herban, III*
- Shirley Gilliland Kindrick, Columbus; B.S., M.S.; Home Economics; *Dr. Virginia M. Vivian*
- Reynard John Kinkel, Bexley; B.A. (Saint Joseph College); Sociology; *Dr. Kent P. Schweirian*
- Richard Kee Knipe, Crooksville; B.S.; M.S. (University of Connecticut); Animal Science; *Dr. George R. Wilson and Dr. Thomas W. Beck*
- Phyllis Jean Kozlowski, Oak Lawn, Ill.; B.F.A. (Mundelein College); M.Ed. (Northern Illinois University); Art Education; *Dr. Kenneth A. Marantz*
- John Carl La Duke, Houston, Tex.; B.S., M.S. (Texas Technical University); Botany; *Dr. Tod F. Stuessy*
- Willie D. Larkin, Dayton; B.S., M.Ed. (Tuskegee Institute); Agricultural Education; *Dr. Lawrence H. Newcomb*
- John Allen Ledingham, Springfield; B.A., M.A.; Education; *Dr. I. Keith Tyler*
- Shu Hong Lee, Kowloon, Hong Kong; B.S. (National Taiwan University); M.S.; Electrical Engineering; *Dr. Roger C. Rudduck*
- Alar Lipping, Oxford; B.A., M.S. (Queens College); Physical Education; *Dr. Bruce L. Bennett*
- Susan Joyce Litton, Columbus; B.A. (University of Reading); M.A.; Romance Languages and Literatures; *Dr. Robert D. Cottrell*
- Aubrey Earl Long, Gainesville, Fla.; B.S. (Lane College); Education; *Dr. Dewey A. Adams*
- Cheryl Meredith Lowry, Columbus; B.A., M.A.; Education; *Dr. I. Keith Tyler*
- Elizabeth Ann Madson, Columbus; B.A. (Ohio Wesleyan University); M.A.; Education; *Dr. John B. Hough*
- Olumide Omonije Makinde, Ado-Ekiti, Nigeria; B.A. (University of Ibadan); M.A.; Art Education; *Dr. Kenneth A. Marantz*
- Ira Bernard Mantz, Bronx, N. Y.; B.S. (City College of New York); M.S. (University of Wisconsin); Chemical Physics; *Dr. David O. Edwards*
- Thomas Anthony Maraffa, Columbus; B.A., M.A.; Geography; *Dr. Edward J. Taaffe*
- Maurice Rudolph Marshall, Columbus; B.S. (Duquesne University); Food Science and Nutrition; *Dr. Grady W. Chism, III*
- Joseph Raymond Mayo, Youngstown; B.A. (Hiram College); Pharmacy; *Dr. Dennis R. Feller*
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- John Sheldon Hampson, Grove City; B.A. (Capital University); *Education*
- Annette Karen Hank, Salem; B.A. (Muskingum College); *Education*
- Phyllis Noll Harris, Dublin; B.A. (Ohio University); *Public Administration*
- Frank Wesley Hatcher, Columbus; B.S.Ed.; *Education*
- Jacquelynn Suzanne Hayden, Columbus; B.A. (University of Kentucky); *Education*
- Cordelza Donathea Elise Haynes, Bronx, N. Y.; B.A. (Drew University); *Education*
- Kenneth L. Hefner, Gahanna; B.S.Ed.; *Education*
- Elmer John Heinsius, North Madison; B.S.Ed.; *Education*
- Mary Lou Heischman, Galena; B.A. (Hanover College); M.S.W.; *Public Administration*
- Sonia Ann Heminger, Botkins; B.S.Ed.; *Education*
- Colleen Jean Hemminger, Green Springs; B.S.; *Education*
- Denise Ilene Henson, Severna Park, Md.; B.S. (Bethune-Cookman College); *Physical Education*
- Albert A. Herzog, Jr., Columbus; B.A. (Mount Union College); Master of Divinity (Methodist Theological School); *Sociology*
- Donna J. Hester, Trenton; B.S.; *Physical Education*
- Anita Sciarini Heys, Vermilion; B.S.Ed.; *Education*
- Lisa Anne Hickie, Columbus; B.S.Ed.; *Education*
- Rex R. Hicks, Cleveland; B.S.; *Physical Education*
- Robin Rei Hikida, Davis, Calif.; B.A. (Princeton University); *Psychology*
- Nathaniel Hobbs, Nesbit, Miss.; B.A. (Tougaloo College); *Journalism*
- Hene Judith Holt, Dayton; B.A. (Miami University); *Education*
- La Renner Ann Hookfin, New Orleans, La.; B.A. (Dillard University); *Education*
- Randal Alan Hopkins, Cincinnati; B.S.; *Education*
- Cheryl Anita Hopson, Kansas City, Mo.; B.S. (Lincoln University); *Communication*
- Ann Muire Hotz, Marion; B.A. (Ohio Dominican College); M.S.W.; *Public Administration*
- Carolyn Jean Howie, Sault Ste. Marie, Mich.; B.A. (Western Michigan University); *Education*
- Larry Douglas Hudson, Dayton; B.S. (Ohio University); *Journalism*
- Melanie Hudspeth, La Junta, Colo.; B.S. (University of Southern Colorado); *Journalism*
- Victoria Lucas Hughes, Columbus; B.A. (Duquesne University); *Journalism*



- Garnet Begoon Hume, Worthington; B.S.Ed.; *Education*
- Sandra Kay Hupp, Waldo; B.S.; *Education*
- Margaret Ann Idzkowski, Toledo; B.A. (Mary Manse College); *Education*
- Kari Fougner Inglis, Columbus; B.A. (University of Rochester); *Education*
- Susan Nellis Jack; B.A. (Muskingum College); *Education*
- Hope Victoria Paxton Jackson, Columbus; B.S. (Central State University); *Education*
- Marcia Ann Jackson, Bryan; B.S.; *Education*
- Marcy L. James, Berea; B.A. (Baldwin Wallace College); *Journalism*
- Phyllis Gill James; B.S.Ed.; *Education*
- Melissa Jolly Jamieson, Worthington; B.S. (Miami University); *Education*
- Lawrence Edward Jasud, Chicago, Ill.; B.S. (Southern Illinois University); *Photography and Cinema*
- Janet Jean Jenkins, Mansfield; B.S.; *Education*
- Brenda Jean Jolley, Tuscaloosa, Ala.; B.A. (Stillman College); *Music*
- Debra Lynn Claypool Jones, Newark; B.A. (Muskingum College); *Education*
- Delores Jones, Youngstown; B.A. (Kent State University); *Journalism*
- Karen Allen Jones, Walton, N. Y.; B.S. (State University of New York at Oneonta); Master of Divinity (Methodist Theological Seminary); *Education*
- Ronald Wayne Jornd, Columbus; B.S. (Franklin University); *Education*
- Ann Marie Turza Karvasky, Reynoldsburg; B.S. (Bowling Green State University); *Education*
- Jon Franklin Katz, Youngstown; A.B. (Harvard University); *English*
- Kathleen Kennedy, Columbus; B.S.Ed.; *Education*
- Kathleen Kern, Toledo; B.S. (Bowling Green State University); *Education*
- Karen Aliene Kersh, Gallion; B.A. (Hiram College); *Education*
- Karen S. Kiss, Atwater; B.S. (Kent State University); *Education*
- Walter Joseph Klimaski, Jr., Dayton; B.S. (Ashland College); *Physical Education*
- Mary Ann Klosterman, Enon; B.A. (Wittenberg University); *Physical Education*
- Denise Lamm Kneisley, Springfield; B.S.; *Education*
- Angela Marie Knight, Plymouth, N.C.; B.S. (Elizabeth City State University); *Education*
- Elaine Jean Kohen, Columbus; B.A. (University of Kentucky); *Education*
- Candace S. Koltun, Columbus; Bachelors of Education (Capital University); *Education*
- Somying Komolkiti, Bangkok, Thailand; B.A.; *Education*
- Carolyn K. Konzen, Worthington; B.S.Ed.; *Music*
- Ann Deborah Kramer, Baltimore, Md.; B.A. (University of Virginia); *Slavic and East European Languages and Literatures*
- Debra Pam Krasney, Cleveland; B.S.Ed.; *Education*
- Gail D. R. Krieger, Mansfield; B.S. (Syracuse University); *Psychology*
- Marilyn Wilson Kuhlmann, Westerville; B.S. (Capital University); *Education*
- Ruth Spengler Kuntz, Columbus; B.A. (Defiance College); *Education*
- DaThu LaLonde, Columbus; Bachelor, Master (West Virginia University); *Education*
- Donna Converse Lawrence, Marion; B.S.Ed.; *Education*
- Jane Ellen Milligan Leemhuis, Columbus; B.A.; *Communication*
- Carole Suzanne Lemieux, Montville, Conn.; B.A. (University of Connecticut); *Education*
- Bernadean Smith Lewis, Jacksonville, N.C.; B.S. (University of Arkansas at Pine Bluff); *Education*
- Leon Edson Lewis, III; B.S. (Bowling Green State University); *Education*
- Willie B. Lewis, Hampton, Va.; B.S. (Norfolk State College); *Education*
- Michael Joseph Lind, Columbus; B.S.Ed.; *Education*
- Deborah Haley Littrell, Oxford, Miss.; B.A.; *Education*
- James R. Long, Columbus; B.S.; *Physical Education*
- Susan M. Lonsdale, Cleveland Heights; B.S. (Miami University); *Physical Education*
- Beal David Lowe, Columbus; B.A. (Earlham College); *Psychology*
- David Lee Lower, Delaware; B.A. (Capital University); *Education*
- Laura Frances Ludwig, Willoughby; B.S. (St. Joseph's College); *Education*
- Mark Douglas Lutz, Circleville; B.A.; *Education*
- Barbara J. Lyter, Columbus; B.S.Education (Miami University); *Education*
- Mark R. Magee, Columbus; A.B. (Wheeling College); *Education*
- Paul Thomas Magree; B.Mus.Ed.; *Education*
- Marian Jane Mahfood, El Paso, Tex.; B.A.; *Communication*
- Ann Therese Mahoney, Toledo; B.S. (Bowling Green State University); *Education*
- Patricia Denise Maiden, Washington, D. C.; B.A. (Howard University); *Journalism*
- Pete Marinello, Jr., Columbus; B.A.Jour.; *Education*
- Susan Ann Mayberry, Circleville; B.A. (Otterbein College); *English*
- Jennifer Reichard McConnell, Dayton; B.A. (Smith College); *Education*
- Janet J. McDonald, Bexley; B.A. (University of North Carolina); *Education*
- Timothy Allen McGuire, Newark; B.S.Ed.; *Education*
- Cathy DeLois McLaurin, Fayetteville, N. C.; B.S. (Fayetteville State University); *Education*
- Anita Faye McLaughlin, Pelham, N. C.; B.A. (North Carolina Central University); *Education*
- Shelley Baker McLoughlin; B.S.Ed.; *Education*
- Kathleen McNamara, Dayton; B.S.; *Education*
- Donald Glenn Meadows, Northville, Mich.; B.A. (Wayne State University); *Journalism*
- Janet Beth Merrill, Dearborn, Mich.; B.S. (Eastern Michigan University); *Education*
- Joan Ellen Mezner, Niterói, Brazil; B.A. (Bryan College); *History*
- Phyllis Margaret Michaelis, Columbus; B.A. (Hebrew University); *Communication*
- Dennis B. Middleton, Zanesville; B.A. (Muskingum College); *Education*
- James Marion Miller, Delphos; B.S.Ed.; *Education*
- Karl David Miller, Wilberforce; B.A. (Central State University); *Political Science*
- Mary Katherine Miller, Columbus; B.S.; *Education*
- John A. Millisor, Marion; B.S.; *Education*
- Katherine Y. Mills, Long Beach, N. Y.; B.S.Ed.; *Education*
- Roberta Fouts Mills, Columbus; B.S.Mus.Ed.; *Education*
- Cheryl Annette Mobley, Philadelphia, Pa.; B.S. (Cheyney State College); *Education*
- Julianne Mogavero, Logan; B.A. (Ohio University); M.S.W.; *Public Administration*
- Robert Elmer Monahan, Jr., Columbus; B.S.Ed.; *Physical Education*
- Judy Montfort, Cleveland; B.S. (Oakwood College); *Journalism*
- Sherita Gayle Moon, Clinton, S. C.; B.A. (Benedict College); *Political Science*
- Barbara H. Moore, Columbus; B.S. (Illinois State University); *Education*
- John Walter Moore, Hilliard; B.S.; *Education*
- Patricia F. Morris, Memphis, Tenn.; B.A. (Le Moyne-Owen College); *Journalism*
- Daniel Matthew Morrison, Delaware; B.A. (Rutgers College); *Education*

- Grant Lee Moses, Jr., Nashville, Tenn.; B.A. (Vanderbilt University); *Physical Education*
- Barbara J. Motley, Columbus; B.S. (University of Akron); *Education*
- Linda Anne Motosko, Youngstown; B.S. (Youngstown State University); J.D.; *Education*
- Jay Stuart Moyer, Columbus; B.Mus.Ed.; *Music*
- Otieno Mare Munala, Maseno, Kenya; B.S. (University of Wisconsin); *Communication*
- Susan Swan Mura, Bryson City, N. C.; A.B. (Duke University) *Communication*
- Charles C. Murray, Columbus; B.S.Bus.Admin. (Franklin University); *Public Administration*
- Sally Adkisson Nabil, Champaign, Ill.; B.A., B.A. (University of Illinois); *Education*
- Lynne D. Needle, Scranton, Pa.; B.S.Ed. (Ohio University); *Education*
- Marian Popich Neighbor, Pickerington; B.S.Ed.; *Education*
- Wanda E. Nelms, Baldwin, Miss.; B.S. (Central State University); *Education*
- Marti B. Netler, Columbus; B.S.Ed.; *Communication*
- Annette Nice, Norton; B.S.; *Education*
- Terri-Ann Teruko Nishiguchi, Honolulu, Hawaii; B.Ed. (University of Hawaii); *Physical Education*
- Mark Allen Nordstrom, Cincinnati; B.A.; *Journalism*
- Chimezie A. B. Osigweh, Owerri, Nigeria; B.S. (East Tennessee State University); *Political Science*
- Betsy Lynn Ostrander, Gambier; B.S. (Otterbein College); *Education*
- Michael D. O'Sullivan, Columbus; B.A. (Indiana University of Pennsylvania); M.S.W.; *Public Administration*
- Jean M. Packo, Niles; B.S. Education (Youngstown State University); *Education*
- Charlene D. Palmer, Toledo; B.A. (University of Toledo); *Education*
- Edward Henry Palmer, Columbus; B.S.; *Education*
- Cynthia Marie Parker, Crewe, Va.; B.S. (Virginia State College); *Education*
- Jill Elaine Parker, Canfield; Cert.Grad.Dent.Hyg., B.S.Ed.; *Education*
- Mary Louise Pasholk, Columbus; B.A., M.C.R.P.; *Public Administration*
- Pamela Gail Patsch, Greensboro, N. C.; B.A. (North Carolina State University); *Psychology*
- Esther Shanton Pavelka, Worthington; A.B. (Erskine College); *Education*
- John E. Pendolino, Massillon; B.A. (University of Akron); *Journalism*
- Judy Sullivan Perry, White Mills, Ky.; B.A. (Western Kentucky University); *Education*
- Melinda A. Peters, Columbus; B.A.; *Education*
- Thomas H. Petty, Whitehall; B.A. (Capital University); *Physical Education*
- Linda Elizabeth Phelps, Monroeville, Pa.; B.S. (Slippery Rock State College); *Physical Education*
- Mark Wilson Phillips, Cardington; B.A.; *Photography and Cinema*
- Marie Dolores Piehuta, Warren, Pa.; B.S. (University of Pittsburgh); *Physical Education*
- Lori Jane Piotrowski, Columbus; B.A.; *Romance Languages and Literatures*
- Gregory William Polnasek, Union Grove, Wis.; Bachelor of Business Administration (University of Wisconsin at Eau Claire); *Physical Education*
- David Rannells Powell, Lancaster; B.S.Ed. (Ohio University); *Education*
- Nancy L. Preston, Oak Hill; B.S. (Rio Grande College); *Education*
- Raja Govindasamy Ramakrishnan, Madurai, India; B.A., M.A. (Madurai University); *English*
- Joseph C. Ramsey, Jr., Columbus; B.S.Ed.; *Education*
- Carol Ann Reed, Wyomissing, Pa.; B.A. (Marietta College); *Education*
- Roberta J. Reeves, West Jefferson; B.S. (Wright State University); *Education*
- Margaret Regis, Berea; B.S.Ed. (Ohio University); *Education*
- Robert Joseph Riggan, Savannah, Tenn.; B.S. (Tennessee Technological University); M.A., M.Divinity (Methodist Theological School); *Education*
- Glence C. Roberts, Dublin; B.A.; *Education*
- Kathleen Erfeld Robinson, Columbus; B.S. (Muskato State University); *Education*
- James H. Rodenmayer, Reynoldsburg; B.A. (Muskungum College); *Education*
- Joyeelyn Yvonne Rossington, St. Croix, Virgin Islands; B.A. (College of the Virgin Islands); *Education*
- Stephen Thompson Rourke, McLean, Va.; B.A. (University of Virginia); *Physical Education*
- Karen Diane Huvler Rowley, Mansfield; B.S. (Bowling Green State University); *Education*
- Barbara R. Rush, Granville; B.A. (William Paterson College of New Jersey); *Education*
- Christine Dianne Russell, Columbus; B.S. (Bowling Green State University); *Education*
- Nazanin Sadr, Tehran, Iran; B.A.; *Romance Languages and Literatures*
- Beth Marie Salisbury, Liverpool, N. Y.; B.S. (State University of New York at Geneseo); *Education*
- Ajao O. Salu, Lagos, Nigeria; B.A.; *Black Studies*
- Stephanie Anne Sarris, Columbus; A.B. (Oberlin College); *Education*
- Kenard E. Saunders, Gallipolis; B.S. (Rio Grande College); *Education*
- Sewall C. Sawyer, II, Columbus; B.A. (Dartmouth College); *Journalism*
- Pamela Ann Scannell, Toledo; Cert.Grad.Dent.Hyg., B.S.Ed.; *Physical Education*
- Nancy A. Schaub, Monaca, Pa.; B.S. (University of Pittsburgh); *Psychology*
- Deborah Ellen Schipper, St. Marys; B.A.; *Journalism*
- Linda Gail Schoen, Columbus; B.A.; *Psychology*
- Carla Lynn Schultheis, Lancaster; B.A. (Capital University); *Education*
- Lynn C. Schweizer, Granville; B.S. (Ohio University); *Physical Education*
- Marlynn D. Schwenk, Columbus; B.S.Ed. (Ohio Dominican College); *Education*
- Jerry Neil Sedwick, Groveport; A.B. (Milligan College); *Education*
- Thomas S. Seidel, Wausau, Wis.; Bachelor of Business Administration (University of Wisconsin at Eau Claire); *Physical Education*
- Mark R. Sellers, Springfield; B.S. (Miami University); M.S.W.; *Public Administration*
- Ruth Elaine SESCO, Columbus; Bachelor of Music (Seton Hill College); *Music*
- Carolyn Jean Seymour, Shiloh; B.S.Ed.; *Education*
- Thomas G. Shade, Worthington; B.S.Ed. (Ohio University); *Education*
- Karen Shafer, Columbus; B.S., M.S.W.; *Public Administration*
- Joseph W. Shannon, III, Columbus; B.A. (Ohio Dominican College); *Psychology*
- Melvin T. Sharpe, Philadelphia, Pa.; B.A.; *Black Studies*
- Susan Lee Sherhag, Canal Fulton; B.A. (College of the Ozarks); *Education*
- Joy A. Shneider, Lincoln, Neb.; B.F.A. (University of Denver); *Industrial Design*
- Kenneth Allen Sholes, Tioga, W. Va.; B.A. (Shepherd College); *Education*
- Sussan Siavoshi, Iran; B.S. (Pahlavi University); *Political Science*

- Kevin James Skehan, Columbus; B.A. (Boston College); *Education*
- Janice Roaden Skelton, Columbus; B.S. (Bowling Green State University); *Education*
- Robert Dale Skinner, Columbus; B.S.Ed.; *Education*
- Cheri Rae Slinger, Dublin; B.S. (Miami University); *Education*
- Carol Ann Smith, Canton; B.S. (Bowling Green State University); *Education*
- Lorri Ann Smith, North Randall; B.A.; *Communication*
- William Frederick Smith, Laramie, Wyo.; B.A. (University of Wyoming); *Theatre*
- Loretta Ann Westhoven Snyder, Liberty Center; B.S.Ed.; *Education*
- Debra Lynn Starkey, Steubenville; B.S.; *Communication*
- John Davis Stegman, Columbus; B.A. (Butler University); *Communication*
- Rebecca Balint Steinebrey, Columbus; B.A.; *Education*
- Glenna S. Stemen, Reynoldsburg; B.S.; *Education*
- Temple René Stewart, Hampton, Va.; B.S. (Virginia State University); *Education*
- Susan Joan Stockman, Pittsburgh, Pa.; B.A. (LaRoche College); *Psychology*
- Robert Weston Stockum, New Concord; B.S.Ed. (Ohio University); *Education*
- Peggy Stokes, Elyria; B.S.Ed. (Ohio University); *Education*
- Suellyn Sykes Stotts, Lima; B.A.; *Education*
- Sharon Weakley Stricker, Newark; B.S.Ed. (Ohio University); *Education*
- Judy Orr Stubblefield, Charlotte, N. C.; B.A. (North Carolina Central University); *Education*
- George Dana Stuckey, Gahanna; B.S. (Capital University); *Physical Education*
- Kay Ann Subich, Circleville; B.A. (Otterbein College); *Journalism*
- Wayne Harris Sullivan, Grove City; B.A. (Michigan State University); *Education*
- Sandra Witschy Sutton, Wexford, Pa.; B.A. (Kent State University); *Communication*
- Katherin Swanson-Harbage, Columbus; B.A. (College of Wooster); *Education*
- Susan Jane Swenson, Des Moines, Ia.; B.A. (Luther College); *Education*
- Debra L. Swink, Willoughby; B.A.; *Communication*
- Chun-Yi Karen Tang, Taiwan, R.O.C.; B.A. (National Taiwan Normal University); *Education*
- Barbara Jean Taylor, Columbus; B.S.H.E.; *Education*
- Lenore Ann Taylor, Youngstown; B.S.Ed.; *Education*
- Jean Doris Tedesco, South Glens Falls, N. Y.; B.S. (State University of New York at Brockport); *Physical Education*
- Marjorie Sue Testa, Bowling Green; B.S.Ed.; *Education*
- Shanda Renee Thomas, Shreveport, La.; B.A. (Southern University); *Journalism*
- Robert Lee Thompson, Circleville; B.S.Education (Rio Grande College); *Education*
- Donice Gail Thorne, Cleveland Heights; B.A. (Bethune-Cookman College); *Music*
- Ruth A. Tolson, Lennox, Mich.; B.A. (Asbury College); *Physical Education (Health Education)*
- Claire Elise Travis, Gainesville, Fla.; B.A. (Bryn Mawr College); *Education*
- Kathleen R. Trinnies, Camillus, N. Y.; B.A. (Mount Union College); *Education*
- Kathi Kay Turner, Columbus; B.A. (Marshall University); *Journalism*
- Joseph Conrad Vagi, Lynchburg, Va.; B.S. (James Madison University); *Physical Education*
- Robert Carl Van, Cincinnati; B.A. (University of Cincinnati); *Education*
- Lisa Marie Vandergriff, Madeira; B.S. (David Lipscomb College); *Education*
- Dianne Eileen Vaughn, West Carrollton; B.S. (Wright State University); *Education*
- Gail Arch Vorys, Columbus; B.A. (Wheaton College); *History*
- Geraldine Caryl Fulmer Wagner, Mansfield; B.S. (Cleveland State University); *Education*
- David U. Wallace, Columbus; B.S.; *Education*
- Carol Ann Walter, Columbus; B.S.Ed.; *Education*
- Vicki Lynn Walters, Columbus; B.S.; *Education*
- Sandra Yvonne Waters, Columbus; B.S.Ed.; *Education*
- Sandra Lee Weaver, Minster; Bachelor; *Education*
- Lillian Bird Webb, Worthington; B.A. (Hunter College); *Education*
- Bruce Weil, Cincinnati; B.A. (University of Michigan); *Education*
- Bedonna Rae Weiss, Youngstown; B.A. (Georgetown University); *Psychology*
- Patricia Charles Went, Columbus; B.A. (Maryville College); *Education*
- Mary Kathryn West, Youngstown; B.A. (Youngstown State University); M.S.W.; *Public Administration*
- Paul Dennis Weyand, Columbus; B.S.Ed.; *Education*
- Kay Mowen Whitaker, Columbus; B.S.Ed.; *Education*
- Douglass E. White, Columbus; B.A.; *Public Administration*
- Margaret Knies Whiteis, Upper Arlington; B.S.Ed.; *Education*
- Pamela E. Wiese, Roseburg, Ore.; B.A. (Willamette University); *Music*
- Deborah Schiff Wilburn, Wayland, Mass.; B.A. (Marietta College); *Education*
- Jacqueline Steele Wilder, Columbus; B.S. (Central State University); *Black Studies*
- Alice Handy Williams, Mansfield; B.S.Ed.; *Education*
- Brian J. Williams, Kettering; B.A. (University of Akron); *Journalism*
- Daniel Warren Williams, Bartlesville, Okla.; B.A. (Kansas State University); *Journalism*
- Elizabeth D. Williams, Columbus; B.S.; *Education*
- Evan John Williams, Columbus; B.S.; *Public Administration*
- Addie Denise Wilson, Washington, D. C.; B.A. (Howard University); *Journalism*
- Arthur Donald Wise; B.A.Art (University of Nebraska); *Education*
- Christine I. Woods-Henderson, Westfield, N. J.; B.A. (Jersey City State College); *Psychology*
- Sue Foster Yerian, Coshocton; B.S.Ed.; *Education*
- Killian Ping-Hung Ying, Hong Kong; B.Sc. (University of Houston); *Geography*
- Barbara Kramer Young, Columbus; B.S.Ed.; *Education*
- Cynthia Jo Young, Waterville; Bachelor of Music (University of Cincinnati); *Physical Education*
- Michael Kam-wai Yuen, Toronto, Canada; Bachelor of Commerce (St. Mary's University); *Accounting*
- Friedhelm E. Zanter, Bad Bramstedt, West Germany; Zwischenprüfung (University of Hamburg); *Interdisciplinary: Education, Labor and Human Resources and Psychology*
- Deborah Ann Zeirott, Columbus; B.A. (Cedarville College); *Education*
- Suzan Ellen Zink, Cincinnati; B.A. (Cedarville College); *Journalism*
- Steven Jeffery Zureich, Norwalk; Bachelors of Education (Bowling Green State University); *Education*

## Master of Business Administration

- Susan Feld Alexander, Worthington; B.S.; *Business Administration*
- Nebolisa Osita Arah, Onitsha, Nigeria; B.S. (University of Ibadan); *Business Administration*
- Philip D. Axelrod, Columbus; B.S.Bus.Adm.; *Business Administration*

Stephen Thomas Bashaw, Hilliard; B.Mus.; *Business Administration*

Donald Paul Benke, Columbus; B.S. (California State University); *Business Administration*

James H. Benney, Columbus; B.A.; *Business Administration*

John W. Bradford, Columbus; B.A.; *Business Administration*

Richard Riese Brand, Dayton; B.S. (Miami University); *Business Administration*

Christopher C. Carr, Needham, Mass.; B.A. (Ripon College); J.D.; *Business Administration*

Cecilia M. Cebrero, Manila, Philippines; A.B. (Maryknoll College); *Business Administration*

Allen L. Clement, Mentor; B.S. Business Administration (Old Dominion University); *Business Administration*

Jeffrey Warren Craig, Willoughby; B.B.A. (Kent State University); *Business Administration*

Wilson K. Gibbins, Huntington, W. Va.; B.S.; *Business Administration*

Roland Shawn Hagedorn, St. Petersburg, Fla.; B.A. Business Administration (University of South Florida); *Business Administration*

David J. Hess, Pittsburgh, Pa.; B.S. (Duquesne University); *Business Administration*

Patrick D. Howard, Columbus; B.S. (Miami University); *Business Administration*

Patricia Ann Krauser, Louisville, Ky.; Bachelor of Arts (Miami University); *Business Administration*

Kristin Anne Krueger; B.A. (University of Colorado); *Business Administration*

Craig Stephen Martin, North Canton; B.S.; *Business Administration*

Barbara Ann Mason, Columbus; B.S.; *Business Administration*

Venugopal P. R. Nair, India; B.Sc. (University of Kerala); M.E. (University of Poona); *Business Administration*

William J. Nicholson, Columbus; B.A. Jour.; *Business Administration*

Martha Ann McCoy O'Loughlin, Columbus; B.S.; *Business Administration*

Russell William Queen, Worthington; B.A.; *Business Administration*

Kip York Randal, Columbus; B.B.A. (Ohio University); *Business Administration*

Ronald Edward Ringenberg, Columbus; B.S. (Taylor University); M.S.; *Business Administration*

Thomas Michael Robb, Columbus; B.S. (Oklahoma State University); *Business Administration*

Robert Lawrence Schain, New York, N. Y.; B.S. (State University of New York at Buffalo); *Business Administration*

Gregory L. Seelenbinder, Columbus; B.S.Ed.; *Business Administration*

John Albert Taylor, Columbus; B.S.E.E., M.S.; *Business Administration*

William Brian Tunney, St. Louis, Mo.; B.A. (Duquesne University); *Business Administration*

### Master of City and Regional Planning

Milton Wayne Matthews, Tulsa, Okla.; B.A. (Virginia Union University); M.P.A. (Syracuse University); *City and Regional Planning*

Ethan Seth Ortman, Washington, D. C.; B.A. (University of Maryland); *City and Regional Planning*

Mark Alan Vasko, Ashville; B.S. Arch.; *City and Regional Planning*

John Crawford Wallace, IV, Bellbrook; B.S. Nat. Res.; *City and Regional Planning*

Evan John Williams, Columbus; B.S. Land. Arch.; *City and Regional Planning*

### Master of Fine Arts

Jeffrey D. Basting, Maumee; B.F.A. (Cornell University); *Art*

Mark Anthony Belfonti, Mount Carmel, Pa.; B.F.A. (Pennsylvania State University); *Art*

Alan S. Bennett, Chesterfield; B.F.A.; *Art*

Brent Alan Combs, Boise, Id.; B.F.A. (Boise State University); *Art*

Terry Michael Erickson, Cass Lake, Minn.; B.A., B.S. (Moorhead State University); *Art*

Thomas Harry Evola, St. Louis, Mo.; B.F.A. (Washington University); *Art*

David Justin Hartz; B.F.A. (Akron University); *Art*

Michael Eugene Horvath, Akron; B.F.A. (University of Akron); *Art*

Robert Jeffrey Huff, Akron; B.F.A. (University of Akron); *Art*

Dominic Malizia, Rochester, N. Y.; B.S. (State University of New York at Brockport); *Art*

Norman M. Montifar, Manila, Philippines; B.F.A. (University of the East); *Art*

Robert Gary Sadin, New York City, N. Y.; B.F.A. (University of Texas); *Art*

Carlton Gerrod Thompson, Miami, Fla.; B.S. (Florida Agricultural and Mechanical University); *Art*

Helen Margaret York, Harrington, Me.; B.F.A. (Kent State University); *Art*

### Master of Health Administration

Scott Thomas Beatty, Columbus; B.A. (Wittenberg University); *Allied Medical Professions*

Kathleen Marie Cain, Indianapolis, Ind.; A.B. English (Indiana University); *Allied Medical Professions*

Karen Bonnie Davis, South Plainfield, N. J.; B.A. (Northwestern University); *Allied Medical Professions*

Dayna C. Emmelhainz, Columbus; B.S.Ed.; *Allied Medical Professions*

Robin S. Freeman, Columbus; B.A.; *Allied Medical Professions*

Lois Strickling French, Columbus; B.A.; *Allied Medical Professions*

David Warner Miller, Martin, Tenn.; B.S. (Virginia Polytechnic Institute); *Allied Medical Professions*

Steven Douglas Wolf, Lexington; B.S.; *Allied Medical Professions*

### Master of Labor and Human Resources

Larry Philip Mentz, Houston, Tex.; B.S. (University of Houston); *Labor and Human Resources*

Irene Nowosad, Buffalo, N. Y.; B.A.; *Labor and Human Resources*

### Master of Landscape Architecture

Alisa Oko, Haifa, Israel; B. Arch.; (Technion); *Landscape Architecture*

### Master of Music

Frank Elmer Hanson, III, Stow; B.S. Education (University of Akron); *Music*

Laurie Blough Miller, Deshler; B.Mus.; *Music*

Richard Jordan Smoot; B.A.; *Music*

Viscount Francis Thurston, Columbus; B.Mus.; *Music*

### Master of Public Administration

Jane Karen Gray, Perrysburg; B.S.; *Public Administration*

### Master of Science

Ismail Abdullah, Penang, Malaysia; Diploma (Mara Institute of Technology); B.S.; *Agricultural Economics*

Salwa Muhammad Abdul-Rauf, Egypt; B.S. (Georgetown University); *Computer and Information Science*

Olorunfemi Stephen Aladesulu, Ogbagi, Nigeria; B.Sc. (University of Ife); *Computer and Information Science*

- Mary Jane Allbright, West Milton; B.S.N. (Miami University); *Nursing*
- John Bernard Allen, Columbus; B.A. (Wittenberg University); *Computer and Information Science*
- Reese Lee Allen, Sierra Madre, Calif.; B.S. (California Polytechnic State University); *Animal Science*
- Lucille Marilyn May Kriger d'Amorim Antony, Manaus, Brazil; B.S.; *Entomology*
- Nebolisa Osita Arah, Onitsha, Nigeria; B.Sc. (University of Ibadan); *Agricultural Economics and Rural Sociology*
- Farid Askari, Tehran, Iran; B.S.C.E. (Purdue University); *Civil Engineering*
- Roberta L. Barnes, Columbus; B.S.; *Home Economics*
- Randall James Bayer, East Aurora, N. Y.; B.S. (Cornell University); *Botany*
- Gail Boschini Bennett, Seven Hills; B.S. (Bowling Green State University); *Home Economics*
- Mark Edwin Besel, Columbus; B.S.Land.Arch.; *Natural Resources*
- Dale L. Bowman, Springfield; B.S. (Tennessee Technological University); *Agricultural Education*
- Debra DeVore Bragg, Hammond, Ill.; B.S. (University of Illinois); *Home Economics*
- Gary Lee Brannick, Springfield; B.S.; M.S.; *Computer and Information Science*
- Lawrence Charles Brooks, Verona, N. J.; B.S. (Cornell University); *Pathology*
- Bruce Stanley Burdick, Huron; B.S. (Heidelberg College); *Mathematics*
- Alan James Burkholder, Upper Arlington; M.S. (Purdue University); *Computer and Information Science*
- Richard Joseph Burkholder, Pemberville; B.S.Agr.; *Agricultural Education*
- Thomas Clare Bylander, Columbus; B.S. (University of South Dakota); *Computer and Information Science*
- John T. Carl, Unionville Center; B.S.; *Agricultural Education*
- Fuhua Cheng, Tainan, Taiwan, R.O.C.; M.S.; *Computer and Information Science*
- Kiran Babu Chilakamarri, Vijayawada, India; B.Stat. (Indian Statistical Institute); *Mathematics*
- Shirish M. Chitanvis, Bombay, India; B.S., M.S. (University of Bombay); *Physics*
- Robert Earl Choate, Columbus; B.A.; *Geology and Mineralogy*
- Linda Louise Clem, Chillicothe; B.S.; *Home Economics*
- Deborah Ann Coleman, Columbus; B.S.Nurs.; *Nursing*
- Timothy Peter Condon, Columbus; B.S. (Boston College); *Physiology*
- David Allan Coovert, Willard; B.S.M.E.; *Mechanical Engineering*
- Emily Hollar Courson, Newark; B.S.Nurs.; *Nursing*
- Linda S. Kubalak Daley, Blaine; B.S.Nurs. (Ohio University); *Nursing*
- Donna Cecelia Davis, Mingo Junction; B.S.; *Allied Medical Professions*
- Suranjan De; B.S., M.S. (Indian Institute of Technology); *Physics*
- Dale Campbell Deubler, Columbus; B.S.; *Allied Medical Professions*
- Michael R. Dick, Shelby; B.A. (University of Colorado); *Pathology*
- James Steven Dingman, Norfolk, Va.; (Old Dominion University); *Atmospheric Sciences*
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- Mark M. Evans, Brooklyn Heights; B.S.; *Agricultural Education*
- Edith Corder Ewell, Columbus; B.S.; *Home Economics*
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- Joyce Fontana, Westerville; B.S. (University of Illinois); *Nursing*
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- Beryl Jo Harris, Cleveland; B.S. (Baldwin-Wallace College); *Home Economics*
- Laura Lynne Hawkins, Dayton; B.S. (Kansas State University); *Computer and Information Science*
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- Gregorious Theodorios Hembekides, Beirut, Lebanon; B.S. (Panhandle State University); *Agromony*
- Janet L. Henderson, Bay Village; B.S.Agr.; *Agricultural Education*
- Robert Lee Hines, Ashville; Bachelor of Urban Planning and Design (University of Cincinnati); *Agricultural Economics and Rural Sociology*
- Christina Robinson Hogarth, Kettering; B.S.N. (Miami University); *Nursing*
- Michael D. Hogg, Kirtland; B.S.; *Geology and Mineralogy*
- Kuang-Liang Hsu, Kaohsiung, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); M.S.; *Welding Engineering*
- Michael Chiun-Kuei Hu, R.O.C.; B.S. (National Cheng-Kung University); *Chemical Engineering*
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- Clark S. Huckaby, Dayton; B.S. (Ohio University); *Botany*
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- Antoinette LaValley, Toledo; B.S.; *Anatomy*
- Inara Berzins Lazdins, Kennett Square, Pa.; B.S. (The Pennsylvania State University); *Microbiology*
- Keh-Ning Lee, Taiwan, R.O.C.; B.Sc. (Chinese Air Force Academy); M.Sc. (Chung Cheng Institute of Technology); *Electrical Engineering*
- Kyu-Hwa Lee, Seoul, Korea; B.S. (Seoul National University); *Metallurgical Engineering*
- Francisco Leon-Crespo Cordooba, Spain; D.V.M. (University of Cordoba); *Animal Science*
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- Joyce Ponder, Lumpkin, Ga.; B.S. (Fort Valley State College); *Home Economics*
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- Stanley F. Quayle, Columbus; B.S.E.P., M.S.; *Nuclear Engineering*
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- Barbara J. Reardon, Columbus; B.S.W. (Capital University); *Home Economics*
- Marcie Lee Rehmar, Bexley; *Home Economics*
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- James O. Rich, Warsaw; B.S.; *Agricultural Education*
- Ann Elaine Ries, Wooster; B.S.; *Agricultural Education*
- Shaheryar Rizvi, Karachi, Pakistan; B.S.Elect.Engg. (University of Engineering and Technology); *Electrical Engineering and Technology*
- Sherry Rosensweig, Columbus; *Home Economics*
- Daniel Scott Rueger, Plain City; *Agricultural Education*
- David Andrew Salvati, Crestline; B.S.; *Mathematics*
- Susan K. Saravalli, Springfield; B.S. (Ohio University); *Home Economics*
- Budiardjo Bagio Sastratmodjo, Jakarta, Indonesia; I.R. (University of Indonesia); *Computer and Information Science*
- Linda Catherine Dakin Schaffner, West Chester; B.S.N. (Miami University); *Nursing*
- Carol L. Schick, Columbus; B.S.Nurs.; *Nursing*
- Ann Louise Schreck, Hilliard; B.S.; *Allied Medical Professions*
- Kristine Ann Scordo, Loveland; R.N. (Queens Hospital Center School of Nursing); B.S. (Mercy College); B.S.N. (University of Cincinnati); *Nursing*
- Bruce Roger Searles, Delaware; B.S.; *Agricultural Education*
- Richard A. Seipel, Greenville; B.S.; *Agricultural Education*
- Patricia Robin Sexton, Columbus; B.S.Nurs.; *Nursing*
- Steven Ray Shafer, Marion; B.S.Agr.; *Plant Pathology*
- Chin-Chi Shan, Hong Kong; B.Sc., M.Phil. (The Chinese University of Hong Kong); M.S.; *Computer and Information Science*

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of Technology); *Metallurgical Engineering*

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Denise Ann Shockley, Scotttown; B.S.H.E.;  
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Patricia D. Simmons, Fort Valley, Ga.;  
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Joan Pedersen Skully, Lake Hopatcong,  
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John Dean Slates, Louisville; B.S.;  
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Yu-Teh Teng, Taipei, Taiwan, R.O.C.;  
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Mark S. Thomas, Bellefontaine; A.B.  
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B.S. (National Chiao Tung University);  
*Electrical Engineering*

Susan Marie Dietrich Vasco, Maracay,  
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Venezuela); *Veterinary Physiology and  
Pharmacology*

Felix Vega, Maracay, Venezuela; D.V.M.  
(Central University of Venezuela);  
*Veterinary Physiology and Pharmacology*

Cynthia A. Wagner, Berlin Center; B.S.  
(Youngstown State University); *Botany*  
Cynthia Kaye Wagner, Hillsboro; B.S.;  
*Agronomy*

W. James Waldman, Youngstown; B.S.  
(University Without Walls); *Allied  
Medical Professions*

Joseph E. Walton, Vienna; B.S.; *Food  
Science and Nutrition*

Shi-Woang Wang, Taiwan, R.O.C.; M.S.  
(National Tsing Hua University);  
*Electrical Engineering*

Yuing Wang; *Computer and Information  
Science*

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Susan Ensor Waters, Medina; B.S., M.S.;  
*Computer and Information Science*

Orna Wexler; B.B.A.; *Computer and  
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Ann Marie Whitlatch, Columbus; B.S.N.  
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Dennis H. Wiegman, Westerville; B.A.  
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Yu-Sue Won, Tainan, Taiwan, R.O.C.;  
B.S. (Cheng-Kung University);  
*Metallurgical Engineering*

D. E. Wooten; B.S. (University of  
Cincinnati); *Agricultural Education*

Diep Van Xieu; B.S., M.S. (Pennsylvania  
State University); *Mechanical  
Engineering*

Chao Wu Yang, Taipei, Taiwan, R.O.C.;  
B.S. (Tunghai University); *Mathematics*

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B.S. (National Taiwan University);  
*Chemical Engineering*

Adnan Charles Yaqub, Columbus; B.S.  
(University of California at Davis);  
*Electrical Engineering*

Chieh-Yi Jerry Yen, Taipei, Taiwan,  
R.O.C.; B.S. (Fu Jen University); M.S.;  
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Deborah Ann Young, Vandergrift, Pa.;  
B.S. (Pennsylvania State University);  
*Microbiology*

Hui-Yun Rosanna Yuan, Taipei, Taiwan,  
R.O.C.; B.A. (National Taiwan  
University); *Computer and Information  
Science*

Debra M. Zimpfer, Findlay; B.S. (Bowling  
Green State University); *Allied Medical  
Professions*

## Colleges of the Arts and Sciences

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Colin B. B. Bull

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The Colleges of the Arts and Sciences,  
a federation of five colleges, include:  
College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and  
Physical Sciences

College of Social and  
Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

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Deborah Rue Crawford, Denver, Colo.  
David A. Dohrmann, Alliance  
Christopher Jay Hinshaw, Galena  
Thomas C. Kerr, Columbus  
Brian Edward LeCrone, Dublin  
Douglas John Michael, Columbus  
Robert Wayne Percy, Columbus  
Amy Lydia Schwenker, Cincinnati  
Gary Wilson Talbot, Moscow, Ida.  
Michael Paul Teiper, Toledo  
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Bryan Robert Cain, Columbus  
Adelaide Ann Camillo, Cleveland  
Donna Anne Coppola, Dayton  
Sarah Jayne Dzurik, Lakewood  
Kristin A. Ford, Grove City  
Dennis W. Gordon, Columbus  
Vivian Jane Hamilton, Columbus  
Suzanne T. Laird, Columbus  
Irene Phyllis Pietro, Dover

Susan Elizabeth Price, St. Louis, Mo.  
Byron Marvin Richard, Columbus  
Michelle Rose Sirene, Sandusky  
John David Spangler, Columbus  
Giovanna Antonietta Spinella, Niles  
Sally L. Stafford, Willoughby  
Pamela S. Walker, Mansfield  
Mark Leslie Wehling, Cincinnati

### Bachelor of Music

John Carter Jastram, Columbus

### Bachelor of Art Education<sup>1</sup>

Nancy Hein Brock, Columbus  
Sharon Souders Butcher, Columbus  
Valda Fitzpatrick, Mt. Gilead  
Rodney Dean Hayslip, Dublin  
Hayen Ann Jones, Columbus  
Lisa Margaret Pachuta, Coshocton  
Irene Phylliss Pietro, Dover

### Bachelor of Music Education<sup>1</sup>

Linda Louise Pottebaum, Middletown

### Bachelor of Science in Industrial Design

Jill Ann Ehlers, Columbus  
Mark Fredrick Heinz, Toledo  
Bret Edward Kline, Richmond, Va.  
Jeffrey Lustig Kline, Youngstown  
Larry Alan Morgan, Granville  
B.A.  
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## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Science

Learlie Kay Allen, Columbus  
Kirk Stephen Bankhead, Fairborn  
Kent T. Bruggeman, Centerville  
Donna Marie Buccì, Lima  
Richard R. Cody, Cincinnati  
Mignon Renee Davis, Cleveland  
Bonnie Lou Denega, Parma Hts.  
David Lawrence Dyer, Columbus  
Patrick W. Flinn, Dayton  
Millicent Jeannine Gaither,  
Indianapolis, Ind.  
B. Barbara Hullihen, Painesville  
Marlene Kay Kacenski, Columbiana  
Glen Edward Kain, Upper Arlington  
Benjamin Richard Kish, Jr., Parma  
Jeffrey Kenneth Landers, Cincinnati  
Andrew Harry Levy, New Rochelle, N. Y.  
Greg Arthur Merkle, Dayton  
Joel Rene Pascua, Clyde  
David Christopher Pielak, Elyria  
Mary Kay Schwab, Dublin  
Cathy E. Sevin, Beachwood

David Charles Sisson, Fairfield  
Rebecca Marquis Smith, Powell  
Matthew E. Whitaker, Cincinnati  
Kathleen Ziemianski Wolf, Rocky River

<sup>1</sup> Offered jointly by the College of the Arts and the College of Education

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

Joni Ackerman, Columbus  
James Clark Adams, Columbus  
Shellie Donnette Banks, Willingboro, N. J.  
Jeffrey James Beale, Columbus  
Olaf P. Bexhoeft, Columbus  
Jon Matthew Browning, Grandview Hts.  
Lawrence Alan Buhrow, Columbus  
William Samuel Calabretta, Columbus  
Patrick Anthony Calhoun, Euclid  
Sherry Lee Christman, Columbus  
John Ellis Crum, Atlanta  
Laura Ann E. Feldmann, Marion  
Jeffrey Feyko, Pickerington  
George Michael Green, Columbus  
Julie Elizabeth Grinstead, Columbus  
James Philip Hall, Columbus  
Dennis Leon Harris, Cleveland  
Barbara Ann Haugh, Arlington  
Donna Marie Houck, Columbus  
Roger Gordin Johnston, Jamestown  
Katherine Milem Julien, Columbus  
Mary Ellen Linville, Deerfield, Ill.  
David Kenneth Lyndes, Worthington  
Susan L. Markle, Newark  
Daniel Bascom Moore, Worthington  
William David Oldaker, Columbus  
Tauna Taylor Phillips, Columbus  
Patricia Lynn Rainey, Columbus  
Beth Ellen Reale, Pickerington  
Nancy M. Sansouci, Dublin  
Pamela Jill Schneider, N. Canton  
Steven Eric Schupbach, Columbus  
Bruce Edward Setty, Milford  
Beverly Sue Shialer, Westerville  
Ada B. Sickmeier, Columbus  
Robin Koepf Smith, Sylvania  
Dianne Kay Spaur, Columbus  
Susan Loren Tarriger, Columbus  
Robert W. Wawszyck, Columbus  
Lonnie Laine Withem, Bucyrus  
Kevin Leighton Wright, Westerville  
Mary Josephine Zuber, Columbus

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

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Lisa Ann Wurm, Delaware

### Bachelor of Science

Ruth Amy Branscom, New Albany  
Thomas David Campana, Lorain  
Cheryl Ann Ciotti, Euclid  
Michael John Filipiak, Rossford  
Mohammad B. Ghaziaskar, Esfahan, Iran  
Charles Eugene Hafey, Lockbourne  
Samir Ahmed Hamouda, Columbus  
Edward A. Hinshaw, Columbus  
Alan Horwitz, Columbus  
Cheryl Ann Jones, Columbus  
Kevin Robert Kinnear, Columbus  
Hyun Sook Lim, Vermillion  
Nematollah Naderi, Tehran, Iran  
Steven R. Orr, Columbus  
José Miguel Pedrozo, Dalton  
John Edward Schmitz, Columbus  
Mark Alan Shellhorn, Columbus  
Jeffrey Taylor Vincent, Mayfield Heights  
Michael Roger Wease, Harrisville  
Richard Lee White, Winnemucca, Nev.

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

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Judith Wilhelm Allamanno, Columbus  
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Jensine Mary Anderson, Cincinnati  
Patricia Ann Bacho, Lakewood  
Steven Lawrence Baden, Pepper Pike  
Mary Diane Baer, S. Euclid  
Wayne Barringer, Toledo  
Nancy Ann Bartick, Lorain  
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Judith W. Bertson, Columbus  
Kassandra Jean Blair, Marietta  
Jay Myers Blandy, Gahanna  
Nancy Wake Bletner, Worthington  
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Wanda Lavette Burks, Akron



Debra Ann Butler, Dallas, Tex.  
 Peggy Jean Canada, Middletown  
 Monica Beth Comunale, Akron  
 Jon Scott Courtade, Columbus  
 John Miles Cummins, Columbus  
 Kimberly Ellen Darling, Pepper Pike  
 Charles James Davis, Columbus  
 Sharon Renée Davis, Cleveland  
 Deanna Jeanne Dawe, Wooster  
 Betty Ranft Democko, Columbus  
 Arthur Dwight Dobosiewicz, New Lexington  
 David Lester Dow, Jr., Englewood  
 Catherine Heid Edwards, Portsmouth  
 Paula S. Elchert, Lancaster  
 Richard David Fair, Columbus  
 Lynne Frances Fischer, Beachwood  
 Gerri C. Gallagher, Columbus  
 Colleen G. Gartin, Bellbrook  
 Michael Gilliland, Columbia, Md.  
 Dimitri George Grammatikakis, Columbus  
 Samuel Curtis Harnish, Columbus  
 Dollie Arelene Harris, Columbus  
 La-Wanda Wallette Hicks, Windsor  
 Sharon Lee Holland, Leipsic  
 Sherry Elaine Holt, Mansfield  
 Eric Wayne Ireland, Columbus  
 Lynette Jean Johnson, Youngstown  
 Harold Lloyd Jones, Columbus  
 Hawa Tury Kaika,  
 Sierra Leone, W. Africa  
 Paul R. Kerstanski, Columbus  
 Deborah Kay Kidikas, Randolph  
 Laura Ellen King, Bucyrus  
 Suzette Arlene King, Alliance  
 Lisa Ann Kinney, Columbus  
 Karl William Koon, Plain City  
 Diane Stephanie Kriel, Marysville  
 Alan Thomas LaRochelle, Upper Arlington  
 Genolia C. Lay, Columbus  
 Gary W. Leifer, N. Bellmore, N. Y.  
 Lori Ann Linker, Louisville, Kentucky  
 Rita Jane Locke, Cleveland  
 Carolyn Jean Loewenstein, Cincinnati  
 Marlene LaVern London, Youngstown  
 Carol Lynn MacCurdy, Galion  
 Michael Jeffrey Maiberger, Tiffin  
 Susan Darina Mammolite, Columbus  
 Stephen J. Marshall, Rindard Mills  
 John W. Martin, Lancaster  
 Debra Kaye Matson, Delphos  
 Raymond Neil McIntosh, Columbus  
 Sherri Lynn Meeks, Broadview Heights  
 Pamela Kay Milligan, Mansfield  
 N. Susan Morris, Atlanta, Georgia  
 Lynette Albertazzie Murphy, Columbus  
 Grant Allen Neilley, Cambridge  
 Paul Allen Nelson, Racine, Wis.  
 Sandra Rochelle Nickerson,  
 Warrensville, Hts.  
 Linda L. W. Nolan, Columbus  
 Nancy Ann Nye, Upper Arlington  
 Lisa Gottwald Perdue, Columbus  
 Carl Bruce Phillips, Hempstead, N. Y.  
 Alisa Rader, Mansfield  
 Robin Joy Rengstorff,  
 Edgewood Arsenal, MD  
 Kim Yvonne Rivers, Beachwood  
 Shirley Ann Rogers, Fairborn  
 Eric Walter Rothenbuhler, Worthington  
 Joseph Stuart Rowland, Jr., Columbus  
 Nancy Ann Shankman, Englewood, N. J.  
 Christine George Signoracci, Columbus

Douglas L. Sisson, Bidwell  
 James L. Slaughter, Columbus  
 Donna Summerour Smith, Columbus  
 Daniel Paul Stafford, Portsmouth  
 Paul Avram Stanca, Westlake  
 Sharon Louise Stelzer, Rochester, N. Y.  
 Michael David Storer, Dayton  
 Craig Stephen Swartz, Middleburg Hts.  
 David Charles Sweasey, New Philadelphia  
 Cynthia Lauren Talbot, Miami, Florida  
 Howard Taub, Beachwood  
 James Clay Tetirick, Columbus  
 Deborah A-E Thom, Columbus  
 Lorah M. Tidwell, Powell  
 Marilyn Reena Toles, Columbus  
 Mary Elizabeth Ufner, Pepper Pike  
 Barbara Lee Vining, Jacksonville, Fla.  
 Jimmie Jay Volkert, Hicksville  
 Cyndie Ann Webster, Orange, N. J.  
 Paul Richard Weishampel, Avon Lake  
 Sara Marie West, Columbus  
 Christine Eve Whalen, Columbus  
 Charles L. Wilkins, Columbus  
 Claudia Dianne Williams, Columbus  
 Metre L. Williams, Columbus  
 Lynnette Francine Womack, Garfield Hts.  
 Gregory William Wourms, Dayton

### Bachelor of Science

Michael Andrew Borelli, Columbus  
 Bruce Arnold Bruchey, Jr., Frederick, Md.  
 Margaret Ann Busher, Euclid  
 Nanette Theresa Cegala, Zionsville, Ind.  
 William LeRoy Cook, Toledo  
 Diane Cyrgalis, Wilton, Conn.  
 Gary Rolf Demig, Wapakoneta  
 Jerry DiDay, Champion  
 Phyllis Dietrich, Laruz  
 Karen Ann Eyberger, Mingo Junction  
 Don L. Halley, Vermillion  
 Diane Corcoran Hutchison, Circleville  
 Mariann Mari Jones, Pemberville  
 Lynn A. Laubach, Wooster  
 James Russell Locke, Marietta  
 Donna Oksana Maleckyj, Seven Hills  
 Nancy Ann Morris, Lancaster  
 Linus Udemezue Okeke, Columbus  
 Marybeth Rich, South Amherst  
 Jeffrey Bruce Sanborn, Huron  
 Eric A. Smith, Fostoria  
 Martha Lynne Smith, Columbus  
 Marsha Rocker Turback,  
 South Reynoldsburg  
 Gary Lynn Wiens, Columbus  
 Hong-Ta Youck, Seoul, Korea

### School of Journalism

#### Bachelor of Arts in Journalism

John Ernest Bales, Columbus  
 Cheryl Lynn Beck, Cadiz  
 Clarence William Blackhurst, Jr.,  
 Worthington  
 Mary Lynn Burnham-Hicks, Worthington  
 Janice Lynn Carroll, Dayton  
 Douglas Scott Dankworth, Piqua  
 Jeanette Lynn Fitch, Lisbon  
 Donald Edward Fithen, Mingo Junction  
 Curtis Ross Foe, Columbus

Lindsay S. Gerard, Columbus  
 Kellie Ann Grant, Columbus  
 Jill M. Hardesty, Cazenovia, N. Y.  
 Barbara Jean Hatala, Garfield Hts.  
 Nancy Alicia Hill, Columbus  
 Daniel Owen Hutson, Lima  
 Deborah Ann Justus, Columbus  
 Clara Marie Kenerly, Springfield  
 Jean A. Kinney, Columbus  
 Elizabeth Marie Kowalski, Parma  
 Audrey Hope Krohngold, Coral Gables, Fla.  
 Elena Ann LaFazia, Warwick, R. I.  
 Rebecca Mertens Lusk, Columbus  
 Marianne Maher, Mt. Gilead  
 Donald Steven Mark, Columbus  
 Shari Lynne Marshall, Lanham, Md.  
 Marilyn Elizabeth Orkin, South Euclid  
 Douglas S. Paplaczky, Worthington  
 Jeffrey Allen Petz, Mt. Healthy  
 Sally Beth Romoser, Euclid  
 Mark Steven Shumaker, Columbus  
 Daniel Snow Smith, Cuyahoga Falls  
 Dennis Paul Smith, Cincinnati  
 Robert C. Smythe, Upper Arlington  
 Rebecca Jane Wehausen, Columbus  
 Craig Paul Williamson, Brooklyn  
 Cheryl Anne Wood, Miamisburg  
 Michael G. Zimmerman, Coshocton

## College of Administrative Science

Dean: H. Justin Davidson

### Bachelor of Science in Business Administration

William Dale Aberegg, Alliance  
 Peter Aitemine Aghimien,  
 Berin City, Nigeria  
 James Richard Ahns, Jr., Minster  
 Michael Alan Ament, Mansfield  
 William Richard Ash, Delaware  
 John Randall Austin, Jr., Lima  
 James Mark Ballard, Middlesboro, Ky.  
 Janet Barrin, Dallas, Tex.  
 George Ross Barr, Kettering  
 Philip Bruce Bartlett, Bellefontaine  
 Annette Bassett, Columbus  
 Thomas Charles Baughman, Zanewsville  
 Cathleen Ann Belanger, N. Olmsted  
 Marc Edward Beshara, Westerville  
 Thomas Frank Bickar, East Liverpool  
 Timothy Joel Biler, Holgate  
 Alexander Bernd Birnbrich, Columbus  
 Brian Steven Black, Cincinnati  
 Elaine Louise Blankemeier, Leipsic  
 Steven James Boone, Westerville  
 Daniel Burton Bowman, Wooster  
 David Carl Brenning, Worthington  
 Kristy Annette Briar, Dayton  
 James Timothy Brooks, Worthington  
 William Royce Brooks, Kansas City, Kans.  
 Joseph T. Brown, Columbus  
 Stanley John Buck, Columbus  
 Jeanette Lois Burck, Buffalo, N. Y.  
 Michael D. Burns, Columbus  
 James Bradley Call, Columbus  
 Kendra Thwaits Cappel, Russells Point  
 Hal Eugene Carl, W. Carrollton  
 Brian Patrick Carmody, Marion  
 David Trowbridge Carroll, Columbus

Samuel Cartell, Yokohama, Japan  
Michele Elizabeth Casey, Bay Village  
Dorothy T. Chao, West Covina, Calif.  
Gary Edward Chihil, Cleveland  
William John Clinger, Marion  
Ann Cianflona Cooper, Columbus  
Wayne Roger Cooper, Westerville  
David Alan Cornish, Wellington  
Maria Theresa Coronado, Findlay  
Susan Elaine Corwin, Columbus  
Steven David Court, Galion  
David Cruz, Lorain  
James Edward Cullinan, Columbus  
Ernest Leroy Dahlen, III, Columbus  
Jeffrey David Dambach, Naperville, Ill.  
Lisa Jayne Damore, Youngstown  
Jeffrey M. Daulton, Columbus  
John E. Davidson, Westlake  
Jon Wilder Davidson, Tipp City  
Mary Barrett Decker, Columbus  
Michael David Derosa, St. Clairsville  
Paul R. Detrick, Lima  
Rodney Wayne Dew, Newark  
Gregory George Dinouart, Toledo  
Cheryl Wright Doarn, Upper Arlington  
Michael Edward Dooper, Columbus  
Michael Randall Drapp, Upper Arlington  
Paul Philip Drukker, Worthington  
Timothy James Duvick, Worthington  
Judith Lynn Eakin, Mt. Vernon  
Margaret Ann Eberly, Columbus  
Russell R. Eberwein, Jr., Furlong, Pa.  
Jeffrey Lyle Edmisten, Olympia Fields, Ill.  
Duane Allen Eidenier, Pioneer  
Stephen Cornell Elkins, Columbus  
Christine Ann Enis, Columbus  
Catherine Ann Faele, Columbus  
Judith Ann Favret, Columbus  
John Ryan Ferneding, Dayton  
Barry Steven Feldman, Beachwood  
Gregory Jess Finley, East Liverpool  
Kevin Michael Flash, Fairview Park  
Robert Allen Fletcher, Mentor  
John Martin Frazier, St. Clairsville  
Kristine S. Frey, Columbus  
Salvatore Frank Gaglio, Stamford, Conn.  
Cletus A. Gasson, Morrison, Colo.  
Amy Lee Goodwill, Mequon, Wis.  
Robert David Gordon, Jr., Mansfield  
Stephen Anthony Green, Westlake  
Sharon Rose Griffin, Enon  
Beverly Eurlynne Grimm, Richmond  
Sharon Lee Grow, Mansfield  
George Gregory Guagenti, Lima  
Daniel Michael Gutierrez, Niles  
Kathryn Ann Hagy, Marietta  
Glen Darrell Hall, Cleveland  
John Neil Hamill, Columbus  
Kathleen Marie Hanley, Columbus  
Gregory Paul Heskett, Elkins, W. Va.  
Kim-Quy T. Hoang, Columbus  
Keith Argus Holbrook, Washington C. H.  
James Earl Holton, Newark  
Jeffrey Robert Holton, Newark  
Stephanie Kay Hood, Sylvania  
Jeffrey Clayton Horne, Gahanna  
Oma Sue Howard, Galion  
Agnie Hsia, Purchase, N. Y.  
Peter Raymond Hurlbut, Lyndhurst  
Gregory Morris Hutton, Warren  
James Paul Hyland, Canfield  
Christopher John Irwin, Columbus  
Steven Wayne Irwin, Ashland  
Diane Renee Jackson, Salem  
Mark Alan Jackson, Columbus  
Judy Lynn Jones, Mt. Vernon  
Valerie Nyalda Jones, Dayton  
Judith Kaczynski, Harrison, N. J.  
David Lawrence Kalb, St. Bernard  
Linda Joan Keegan, Louisville, Ky.  
David Lee Kehl, Pickerington  
William Charles Kessinger, Portsmouth  
Karl Craig Kill, Findlay  
Eduardo Kirillow, Columbus  
Charles Randall Kirsch, Grove City  
Meg M. Kirwin, Columbus  
Oreta M. Klein, Westerville  
Donna Lynne Knapp, Elyria  
Nicholas Ken Kosanovich, Lorain  
Keith Alan Kuhn, Newark  
Joel Martin Kuhr, Dayton  
Anthony Lee Kulka, Mansfield  
Ellie Floyd Kurdys, Toledo  
Billie J. Langhorn, Cleveland  
Anthony LaPenna, Mingo Jct.  
Bryan Ray Latimer, Worthington  
Judith Jackson Lavine, Ellicott City, Ind.  
Stacy Forbes Law, Worthington  
David Marion Leavell, Hicksville  
Brian E. Lee, Rochester, N. Y.  
Daniel John Letson, Sylvania  
Donald L. Levin, Canton  
Richard Jay Levine, Pittsburgh, Pa.  
Melissa June Lewis, Cincinnati  
Marc J. Litvak, Englewood  
Darrell Eugene Lloyd, Columbus  
Lynne Darlene Lobdell, Lima  
Leonard Thomas Loftus, Columbus  
William Anthony Lotozo, Columbus  
Larry Tyrone Love, Dayton  
Paula Jo Lowry, Columbus  
Thomas George Luffy, Columbus  
Dennis A. Lust, Martel  
Rodney M. Lynd, Ironton  
Patricia Ann Mackey, Curtice  
Linda Jean Madras, Toledo  
Mark Andrew Maiberger, Grove City  
William Allen Main, Athens  
Douglas Floyd May, Solon  
Richard Paul McCann, Gahanna  
Deborah L. McClaskie, Columbus  
Lloyd Denver McClintock, Jr., Columbus  
Teresa Ruth McConnell, Bellefontaine  
Richard F. McDaniel, Nevada  
David Anthony McElhaney, Massillon  
Thomas Richard McKinley, Columbus  
Robert Jay Meek, Coshocton  
David George Mellett, Columbus  
Marcia Justine Meyers, Bay Village  
Timothy Lee Michel, Columbus  
Robert Mikusa, Bucyrus  
Raymond Timothy Mileti, Parma  
Chrisdon Matthew Moffett, Lima  
Masoumeh Mokhtari, Rasht, Iran  
James Robert Muller, Sugarcreek  
Gilbert Byron Murphy, Struthers  
George Raymond Nash, Columbus  
Charles John Nider, Youngstown  
Theresa A. Nolan, Dayton  
Alan Christopher Oda, Greenville  
Robert Scott Page, Middleburg Hts.  
Mark Bryant Parke, Akron  
Ronald Howard Paul, Parma Heights  
Mark Leonard Penner, Akron  
Debra Ann Pepper, Baltic  
Susan L. Perkins, Mansfield  
Edward Joseph Perz, Mayfield Hts.  
Steven Scott Phillips, Upper Sandusky  
Jeff Pizzola, Columbus  
Christina M. Povenmire, Columbus  
Carol A. Puskar, Columbus  
Sheila R. Rankin, Toledo  
John Russell Ratiiff, Shelby  
Timothy Glenn Rayl, Thompson  
Andrea Louise Reasoner, Madison  
Bruce Joseph Reed, Pomeroy  
Kathleen Grace Regan, Dayton  
Gary Richard Reiss, Columbus  
Annette Maria Riess, Columbus  
Frank Anthony Rigano, Wapakoneta  
Kelvin Andre Riley, Cincinnati  
Ralph Stephen Roba, New Philadelphia  
Barbara Marie Robertson, Arcanum  
Cynthia Lynn Robison, Columbus  
Deborah Kay Roche, Columbus  
Richard Bruce Roederer, Columbus  
Greg Clark Rohrs, Columbus  
Paul Mitchell Rosen, Columbus  
Scott Rosensweig, Hamilton  
Barbara Jean Rufo, Lorain  
Beth Anne Russell, Cincinnati  
James Mead Russell, Worthington  
Jimmy Webb Sanborn, Satellite Beach, Fla.  
Donald James Santisi, Girard  
Nicholas Rex Sasso, North Canton  
Dan Lee Scherz, Norwalk  
David A. Schwenker, Columbus  
Michael James Segal, Columbus  
Timothy Edward Seils, Fremont  
Hamid-Reza Sharifzadeh, Tehran, Iran  
William Goddard Shawd, Bartlett  
Phillip Beldon Sherwood, Hubbard  
Gary Smith Shroyer, Troy  
Robert James Siegarth, Cleveland  
Linda Diane Simmons, Kingsport, Tenn.  
Barbara Howell Smith, Columbus  
Jak E. Smith, Cincinnati  
Mary Elizabeth Snider, Columbus  
Jeffrey Howard Sopp, Columbus  
Nancy Ellen Spada, Centerport, N. Y.  
Margaret Elizabeth Spotts, Lyndhurst  
Andrew James Stover, Columbus  
Jane Helen Straker, Zanesville  
Douglas Keith Stranksy, Mansfield  
Jeffrey Odgen Strine, Ashland  
Joan Case Suttner, Columbus  
Beverly Kay Suver, Columbus  
Keith Gerard Szaronos, Pittsburgh, Pa.  
Timothy Topp, Kettering  
Holly Marie Towner, Hudson  
Vinh Phat Tran, Columbus  
Thomas Jay Trusler, Uniontown  
Brent William Van Horn, Vt. West  
Thomas Peter Vatsures, Delaware  
Mary Jean Waibel, Columbus  
Cheryl Lynn Warfield, Warren  
Craig Leland Watt, Westerville  
Kevin James Way, Bloomfield Hills, Mich.  
Jennifer Denise Weathersby, Columbus  
Joan Glenn Weber, Mansfield  
David Allan Weinkauff, Milwaukee, Wis.  
Lawrence Alan Werbeach, Painesville  
Jane Anne Wetterstroem, Columbus  
Michael Joseph Wichelns, Lancaster  
Bonnie Jean Williams, Salem  
Brian Clifford Williams, Newark  
Donald Roy Williams, Columbus  
Sharon Lee Winegard, North Canton  
Daniel Scott Wood, Wellington  
Kenneth Yee, Columbus  
Russell Craig Yeley, Columbus  
Robert James York, Columbus  
Peter Letta Young, Cleveland Hts.  
Sretrena Nadine Young, Warrensville Hts.  
Eileen Marie Yunker, Elyria  
Richard Gerard Zagar, Highland Hts.

## Bachelor of Science in Labor and Human Resources

Susan Jill Gould, Toledo  
Roy Raymond Lucas, Columbus

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

### Bachelor of Science in Agriculture

Abu Bakar Bin Adam,  
Kuala Lumpur, Malaysia  
David Bruce Andrews, Columbus  
Darrell David Bahr, Dola  
Diane Kay Bandy, Berlin Center  
Arthur Curtis Barco, Medina  
David Wayne Baughman, Canal Winchester  
Steven Louis Berk, Brookville  
Timothy John Bracy, Bluffton  
Walter Arlene Carr, Youngstown  
Carol Jean Collins, Cumberland  
Timothy Joseph Corcoran, Chillicothe  
Rory Craft, Cleveland  
Thomas C. Detwiler, Seville  
John William Folger, Gainesville, Ga.  
Erika Marie Gadomski, Broadview Hts.  
Michael Downs Gempfer, Findlay  
Roberta Elizabeth Hart, Huntsville  
Deborah Louise Henschen, Sidney  
Todd Richard Kemmerer, Pleasantville  
Walter Thomas Klimecki, Cincinnati  
Douglas Robert Linton, Clifton, Va.  
Thomas Allen Looby, Galloway  
Michele Ann Martino, Hubbard  
Jan Lynette Medaugh, Van Wert  
Kent William Mercer, Columbus  
Robert John Miller, St. Clairsville  
Denis Paul Mitro, Amherst  
Tanya Monique Moore, Cleveland  
Lisa Ann Oettinger, Reynoldsburg  
Tamara Ann Pierce, Columbus  
David Wayne Pope, Patriot  
Randall Allyn Preusse,  
Dearborn Hts., Mich.  
Linda Jane Randels, Worthington  
Liesla Ann Rihl, Cedarville  
Rickey Scott Roe, Marion  
Daniel Scott Rueger, Plain City  
Susan Angela Sadinski, Youngstown  
Martin Anthony Schneble, Kettering  
Richard James Sherlock, Jr., Lima  
David Roy Smith, Xenia  
Robert Alan Swift, Parma Hts.  
Chris Eugene Tope, Lancaster  
Dominic Verrilli, III, Columbus  
Kerby Edward Watts, Marion  
William Joseph Wolf, Bay Village  
Carl Lee Wolfe, Bristolville  
Ben A. Young, Yellow Springs  
James Edward Zboran, Sheffield Lake

### Bachelor of Science in Food Science

Matthias Helfrich, Fairview Park  
Edward Lynn Ott, Cortland

### Bachelor of Science in Food Technology

George Edward Guju, Canfield  
Donald Frederick Heffner, Morrisville, Pa.

### Bachelor of Science in Nutrition

James Alonzo Applegate, Jr., McDemott  
Burt Warren Leeman, Cincinnati

### School of Home Economics

#### Bachelor of Science in Home Economics

Lisa Patton Barstow, Dublin  
Alice Ruth Berg, Columbus  
Diane Rachelle Bodi, Columbus  
Paula Jo Bonfina, Bellview Heights  
Sheila Kay Brauer, Little Hocking  
Beverly Ann Brock, Columbus  
Paula Lynn Brunter, Chardon  
Constance Sue Butts, Mt. Sterling  
Kathy Lynne Cowley, Carroll  
Renee Irene Copley, Marion  
Karen Ann Cuprik, Columbus  
Jane Margaret Davenport, Bay Village  
Adrienne Catherine Dwyer, Centerville  
Alisa Marie Dyer, Columbus  
Nanci Lynn Fuller, Columbus  
Miriam Galevi, Oregon  
Jean E. Gerstner, St. Marys  
Robin Lee Hollowell, Columbus  
Julie Harrison, Bay Village  
Deborah Mayne Henry, Dayton  
Jessica Miriam Horn, Sparta, S. C.  
Jacquelyn Ann Jobe, Canton  
Anne Elizabeth Kriss, Loudonville  
Janice Marie Lorman, Mentor  
Deborah Lucille Mains, Ironton  
Catherine M. Malta, Jackson, N. J.  
Karen Lynn Miller, Newark  
Sarah Elizabeth Onq, Columbus  
April Ann Potts, Akron  
Jeanne M. Price, Columbus  
Marcie Lee Rehmar, Columbus  
Teri Ziona Rube, Cleveland  
Beth Ann Ruthers, Bellaire  
Laurie Ann Schroeder, Cincinnati  
Barbara L. Scroggy, Springfield  
Brenda Elizabeth Shea, Granville  
Nancy Lynne Sickles, Columbus  
Joan Marie Thornton, Columbus  
Janice Eileen Trott, Columbus  
Barbara Ellen Vincent, Waynesville  
Lisa Maureen Wilson, Columbus  
Christine Troutman Zerby, Columbus  
Kelley Elaine Zimmer, Columbus

### Bachelor of Science in Nutrition

Robin Ilene Stromberg,  
University Heights

### Bachelor of Science in Restaurant Management

Craig Bennett Attewell, Parma  
Nello Ian Cernoia, Parma  
David Mark Kater, Pepper Pike  
Kathi A. Lurie, Columbus

### School of Natural Resources

#### Bachelor of Science in Natural Resources

Sharon Elizabeth Areen, Vandalia  
Geri Lynn Beck, Dayton  
Thomas Lee Biscrow, Delphos  
Stephen Parker Boudnot, Logan  
John Martin Brechbill, Canton  
Christopher Alan Busic, Grove City  
Robert William Cifranic, Brookpark  
Michael Edward Conrad, Waterloo, Ontario  
John Morton Daugherty, Lore City  
Daniel Lee Edwards, Columbus  
Pamela Sue Farber, New Albany  
Karen Kaye Gallogly, Columbus  
George Frederick Hambach, Mt. Perry  
David Kent Helber, Logan  
Curtis Edward Henss, Conover  
Mark Allen Hersman, Lucas  
Steven Latham Hullahen, Painesville  
Donald Dehart Jacobs, Bayville, N. Y.  
Brian Dwight Landrum, Hillsboro  
William E. Lodder, Hamilton  
William Edward Lynch, Jr., Dayton  
Renee Lynn Mackey, Stow  
Jerry Wynn Mohler, Columbus  
Daniel Lee Moore, Columbus  
Andrew Barker Morris, Springfield  
Bruce Raymond Motsch, Avon  
Crystal Cecelia Noll, Somerset  
Paul David Petcher, Parma  
Raymond William Petering, Cincinnati  
Anita Marie Ralich, Elyria  
Nancy Jean Ryan, Lakewood  
Douglas Lee Secrist, Lima  
Helen M. Shaw, Sarahsville  
Thomas Lawrence Shaw, Louisville  
Kimberly Lin Smith, Springfield  
Vernon Randall Tinsley, Columbus  
Janice Carolyn Wetherbee, Columbus  
Gary Joseph Zakrajsek, Willoughby

## Agricultural Technical Institute-Wooster

### Associate in Applied Science

Mark Joseph Andray, Toledo  
Tawn Gaye Benson, Waynesville  
Denise Mary Boehmerle, Medina  
Jeffrey Lynn Davis, Akron  
Kevin Quinn Davis, Sunbury  
Joyce Ann Hitch, Brunswick  
Laura Lee Fox, Newark  
Diane Marie Francis, Rootstown  
John Joseph Gaetano, North Olmsted  
Ted Edward Hardulak, Brooklyn  
Duane Richard Hoover, II, Columbus  
Raymond Scott Johnson, Hamilton  
Diana Sue Johnston, New Lexington

Hope Marie Kirkland, Mechanicstown  
Kenneth Andrew Lee, Cleveland  
Joel Herbert Litt, Lexington  
Jerald Michael Maier, Massillon  
Allison Anne McLain, St. Marys  
Christopher John Mendiola, Barberton  
Roger Scott Reber, Ravenna  
Christine Mary Sample, Antwerp  
Scott David Taneyhill, Cannonsburg, Pa.  
Melanie Joyce Woodworth, Marion

## College of Dentistry

Acting Dean: William R. Wallace

### Doctor of Dental Surgery

Robert William Basalla, Berea  
B.S. (Baldwin-Wallace College)  
Alan H. Black, Deer Park, N. Y.  
B.S. (State University of New York at  
Stony Brook)  
Stephen Davenport Czar, Columbus  
B.A. (Ohio Wesleyan University)  
Richard Charles Stenger, Cincinnati  
B.S. (Xavier University)  
Melvin S. Waymire, Jr. Fairborn  
B.S. (Bowling Green State University)  
Theodore John Willmann, Fort Recovery  
B.S. (University of Dayton)

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Timothy Lee Allen, Warren  
Catherine Diane Anderson, Perrysburg  
Gregory Paul Banbury, Mt. Vernon  
Kristina Marie Barra, Huntsville  
Jill Lee Bowen, Ohio City  
Mark Alan Boyd, Columbus  
Tracey Lynn Brinley, Mansfield  
Larry Eugene Brown, Chillicothe  
Jill Jeanine Campbell, St. Johns  
John Thomas Carnes, Elida  
Mary Sue Cavin, Grove City  
Cynthia Jean Coates, Shadyside  
Cynthia Bryan Collins, Columbus Grove  
Janet Darlene Collins, Columbus  
Kathryn Ann Daykin, Lyndhurst  
Michele Lynn Desarro, East Liverpool  
Catherine Louise Evans, Amsterdam  
Adrienne Elizabeth Feister, Columbus  
Ronald Dean Flowers, Plain City  
Shirley Jones Fort, Mansfield  
Katherine A. Fox, Columbus  
Hilda Carlyle Freeman, Kinston, N. C.  
Milene Janice Gerlach, Columbus  
Christy Lee Grimm, Columbus  
Randall Lenn Hall, Columbus  
Brenda Lou Hartland, Parma  
Deborah Tucker Hartley, Westerville  
Jodi Lee Hertenstein, St. Marys  
Mark Charles Hetz, Defiance  
Mark Douglas Hoaglin, Van Wert  
Lynn Weiss Hoenke, Granville  
Gorman Mitchell Horn, Columbus

Carolyn Maria Johnson, Pataskala  
Denise Eileen Johnson, Zanesville  
Brian Leigh Katz, Euclid  
Joyce Marie Hetler Keefer, Mansfield  
Kathryn Lynn Kemper, Kettering  
William Francis Kerwin, Columbus  
Eudoxia A. Kostopoulou, Lima  
Shelly Eileen Landrus, Fostoria  
Billie Patricia Looney, Loudonville  
George G. Manos, N. Canton  
Ted Patrick McClatchey, Columbus  
Ann Louise McEwan, Columbus  
Lisa Marlene Mercure, Columbus  
Ethel G. Nelson, Columbus  
Jennifer Lynn Odwarka, Grove City  
Diane Louise O'Hearn, Cincinnati  
Matthew Paul Ohlson, N. Canton  
Richard G. Peterson, Aurora  
Cynthia Yount Pyle, Columbus  
Marlene B. Raffel, Coldwater  
Joseph Richard Rico, Richmond Heights  
Doreen Marie Rilo, Marion  
Douglas Stewart Robenalt, Columbus  
Cynthia Buckholtz Sarver, Columbus  
Lynn Ann Schimmoeller, Ft. Jennings  
Julie Beth Shackelford, Columbus  
Michael Henry Shelton, Columbus  
Sally Jo Shimp, Alliance  
Daniel John Shingledecker, Columbus  
Debra Kay Shultz, Marion  
Samuel Arthur Simmons, Jr., Westerville  
Marylou Louise Spohn, Brecksville  
Ava Marie Stinnett, Dublin  
John Curtis Stitt, Columbus  
Kimberly Anne Straight, Parma Hts.  
Richard James Stranges, Jr., Columbus  
Janet Evelyn Taylor, Columbus  
Jane Carol Tripp, Piqua  
Jennifer VanBuskirk Tucker, Larue  
Bradley John Turson, Plymouth  
Darlene Vanessa Walker, Cleveland  
Gregory L. Walsh, Newark  
Elena Sue Warren, Columbus  
Diane Kay Young, Columbus

Bachelor of Art Education and  
Bachelor of Music Education  
degrees are offered jointly by the  
College of the Arts and the  
College of Education.  
Candidates are listed under  
College of the Arts

## College of Engineering

Dean: Donald D. Glowor

### Bachelor of Science in Aeronautical and Astronautical Engineering

Daniel Edward McConaughy,  
North Olmsted

### Bachelor of Science in Agricultural Engineering

Charles Bruce Clark, Amlin  
Steven Dean Lichtensteiger, Ohio City  
Raymond Allan Peters, Stow

### Bachelor of Science in Ceramic Engineering

Patricia Ann Morris, Duncan Falls  
Steven Douglas Raffensperger, Fremont

### Bachelor of Science in Chemical Engineering

Rubén Dario Alfonso Páez,  
Valencia, Venezuela  
Philip Arvis Dalton, Newark  
Matthew K. Davis, Cincinnati  
John Thomas Dent, Beaver  
William Foster Hammersley, Columbus  
Carlos Oriello Mora Pérez,  
Merida, Venezuela  
Mark Charles Oliver, Atlanta, Ga.  
Michael Anthony Tornes, Waterford

### Civil Engineer

Ali Adam Ibrahim, Kutum, Sudan

### Bachelor of Science in Civil Engineering

Mook Sing Ho, Perak, Malaysia  
Marsha Lydia Mencl, Independence

### Bachelor of Science in Computer and Information Science

James Edward Black, Dayton  
William Edward Housden, Johnstown  
Brian L. Kelly, Columbus  
Timothy Francis O'Connor, Brook Park

### Bachelor of Science in Electrical Engineering

Don Eric Benander, Steubenville  
Tod Earl Boyd, Englewood  
Neal Virgil Cecil, Hamilton  
David Dwight Cook, Dayton  
Kirk Lesley Cramer, Whitehall  
Timothy Joseph Crum, Whipple  
Farivar Farsaneh, Tehran, Iran  
John R. Feldhaus, Reading  
Eric David Fintel, Genoa  
Thomas Lincoln Fletcher, Columbus  
George Franklin Freeland, Jr., Columbus  
Karl Lewis Friedline, Mentor  
Timothy Allen Hostetter, Canton  
Richard William Kautz, Bryan  
Kenneth Allan Kepko, Youngstown  
Alan Lee Klisz, Fremont  
Victor Esteban Jerez Labrador,  
Judibana, Venezuela  
Susan Kay Lichtensteiger, Ohio City  
Lori Kay Livensparger, Rocky River  
Sharon Jean Lukegord, Vermilion  
Michael Keith Pope, Washington, C.H.  
Michael Louis Richards, Zanesville  
David Edward Scott, Westerville

Christopher Sterling Sherman, Columbus  
Christopher Barrett Sumner, Columbus  
David Lee West, Columbus  
John Thomas Wilcox, Plain City  
James Jacob Yearsin, Columbus

### **Bachelor of Science in Engineering Physics**

David M. Behrman, Hilliard

### **Industrial Engineer**

Chimeziem Mey Chukuigwe,  
Port Harcourt, Nigeria

### **Bachelor of Science in Industrial and Systems Engineering**

Beth Arline Ewing, Cleveland  
Michael Edward Johnson, Columbus  
Kevin Clifton Nash, Gahanna  
Colette Denesse Pierce, Cleveland  
Keith Alan Riegelsberger, Avon

### **Bachelor of Science in Mechanical Engineering**

Matthew Wayne Ales, Columbus  
Mark Crafts Alty, Urbana  
Brian George Annis, Reynoldsburg  
William Allen Appleton, Lucasville  
David Alan Brown, Sandusky  
Kenton Robert Brune, Mansfield  
Douglas Scott Coffey, Avon Lake  
Douglas Howard Faber, Huron  
Martin Eugene Ferrell, Chippewa Lake  
Glaston Grady Ford, Dayton  
Richard Lee Gaines, Columbus  
Thomas William Goodnight, Lima  
Paul Joseph Grover, Atiles  
Lawrence Joseph Gutkowski, Parma  
Gregory William Kempf, Grove City  
Mark Anthony Lamantia, Toronto  
Theodore John Leithart, Whitehall  
Mark Robert Moldovan, Youngstown  
Kurt H. Neubaumer, Columbus  
Robert Lowell Oelrich, Jr., Pittsburgh, Pa.  
Joel Thomas Proegler, Timberlake  
Matthew Joseph Reda, Columbus  
Jonathan Allen Scheetz, Coshocton  
Lee Edward Seuffer, Chardon  
Steven Andrew Strange, Kent  
Marc Alan Tartaglia, Brookpark  
Mark Allen Taylor, Chardon  
Frank S. Vallera, Steubenville  
Phillip Gerard Vander Kraats, Columbus  
Daniel Paul Wichman, Toledo  
Glen Alan Williams, Toledo  
Phillip Anthony Yakovac, Euclid  
Phillip Theodore Yontz, Columbus  
Louis Casimir Ziebold, Genoa

### **Bachelor of Science in Metallurgical Engineering**

David Steven Selby, Canton

### **Bachelor of Science in Mining Engineering**

John Francis Zimnox, Mingo Junction

### **Bachelor of Science in Surveying**

Larry Justin Bill, Mt. Vernon

### **School of Architecture**

#### **Bachelor of Science in Architecture**

Robert Joseph Acciarri, Parma  
Khalid Waleed Alkhudayri, Columbus  
Evelyn Jean Boyles, Kenmore, N. Y.  
Theodore John Dombroski, Stratford, Conn.  
Donald Thomas Kaliszewski, Avon Lake  
James Richard Lyons, Lorain  
Mark Thomas McGatha, Austin, Tex.  
Dana Kent Moessner, Columbus  
Abdol-Rahim Nesvaderani, Rockville, Md.

#### **Bachelor of Science in Landscape Architecture**

Rosalyn Jean Anderson, Englewood  
Theresa Elaine Doodan, Harrisburg, Pa.  
Dana Jay Hepler, Suffern, N. Y.  
Linda Lee Hiltabiddle, Elyria  
Alan Smith Hirsch, Dayton  
Michael Edward Hooper, Cherry Hill, N. J.  
Michael Andrew Hrivnak, Elyria  
Bernard Lebow, Newton, Mass.  
Dicki Lee Miller, Fullerton, Calif.  
Louis George Vlahos, Lorain

## **College of Medicine**

Dean: Henry G. Cramblett, M.D.

#### **Doctor of Medicine**

Jeffrey Ray Blood, Conneaut  
B.S.  
Barbara Ellen Carr, Wintersville  
B.S.  
Judith Marie Fry, Athens  
B.S.  
Thelma Lynette Green, Dayton  
B.A. (Wittenberg University)  
Mary Ellen Anne Guroy, Willoughby  
B.S.  
Blaine Michael Lisner, Cincinnati  
B.A. (University of Cincinnati)  
Catherine L. O'Donnell, Dayton  
B.S. (Wright State University)  
Steven Joseph Saul, Troy  
B.S.

Richard Jon Wuest, Harrison  
B.S. (University of Cincinnati)

### **School of Allied Medical Professions**

#### **Bachelor of Science in Allied Health Professions**

Jule Anne Banks, Enon  
Ronald Scott Bell, Canon City, Colo.  
Asia Bodas, Columbus  
Cheryl Marie Britton, Sulphur Springs  
Denise Elaine Brown, Birmingham, Mich.  
Trudy Marie Campbell, Cleveland  
Diane Marie Coutz, Bellaire  
Stephen Paul Crane, Brisbane, Australia  
Nancy Jean Dick, Columbus  
Diana Rosalyn Elo, Cleveland  
Safaa Mounir El-Oraby, Mansfield  
Shelly B. Feigelson, Wyoming  
Mary Marlene Friedman, Pomeroy  
Kellie Jeanine Haninger, Columbus  
Kellie Lynn Hardin, Zanesville  
Rita Hyunju Hong, E. Amherst, N. Y.  
Cynthia Lou Kienle, Grove City  
Etyy Matalon, Columbus  
Stephanie Helen Moser, Lakewood  
Christine Marie Oberfield, Newark  
Odis Scales, III, Dayton  
Diane Marie Smith, E. Liverpool  
Linda Kay Stanga, Salem  
Wanda Paulette Tolbert, Cleveland  
Kathryn Sovine Weisenberger, Portsmouth  
Kimberly Jane Wheeler, Newark  
Mary Katherine Yaneck, Flushing

### **School of Nursing**

#### **Bachelor of Science in Nursing**

Suzanne Elizabeth Bahr, Dayton  
LuAnn Beavers, Wauseon  
Judith Nina Bird, Norwalk, Conn.  
Susan Kathleen Bischof, Wooster  
Cynthia Renee Bradley, Middletown  
Christine Ann Dillon, Columbus  
Patricia Ann Dlouhy, Broadview Heights  
Cecilia Annette Franko, Hubbard  
Elizabeth Ann Galaba, Tiffin  
Jill Gustafson, Poland  
Cheri Marie Hada, Painesville  
Barbara Ann Haselbarth, Columbus  
Heidi Beth Hudson, Parma  
Elizabeth Anne Humphrey, Lakewood  
Karen Anne Jeleric, Brecksville  
Karen Kay Kanatas, Dublin  
Claudia Finkle Keck, Columbus  
Kathleen Marie Kubus, Campbell  
Patricia Louise Lewis, Lima  
Michelle Lynn, Columbus  
Cynthia Sue Miller, Archbold  
Jane Ellen Mohler, North Canton  
Heidi Sue Mpostov, Youngstown  
Susan Lyons Nettler, Columbus  
Stephen Michael O'Bryan, Columbus  
Jean Ann Ruman, Findlay  
Susan Mary Saxon, Warren  
Kimberly Kay Shanley, Sidney  
Terri Lynn Gibbs Taulbee, Middleton  
Cynthia Marie Toth, North Ridgeville

Teresa Ann Wenzke, Dayton  
Sheryl Lee Willis, Dayton  
Susan Elizabeth Zulliger, Lima

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Robert Lee Bishop, Zanesville  
Donald Mark George, Wintersville  
William Michael Kelly, Youngstown  
John Kohut, III, Columbus  
B.S. (Youngstown State University)  
M.S. (New Mexico State University)  
John Joseph Long, Columbus  
Julie Ann Mandalari, Kent  
Randall Walter Nameth, Rayland  
Gary Paul Sabistina, Akron  
Laura Ellis Stewart-Magee, Warren

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Debbie Sue Lathrop, Reading  
Larry Stanley Layne, Columbus  
Cynthia Rider Nagel, Columbus  
Sharon Ruth Oldach, Erie, Pa.  
Richard L. Phillips, Minerva  
Veronica Jane Wagner, Columbus  
Philip Leo Yassenoff, Columbus  
Susan Christine Yates, Columbus

## College of Veterinary Medicine

Dean: Ronald A. Wright

### Certificate of Study in Veterinary Medicine

Stanley Stewart Weill

## Graduates with Honors

### Summa Cum Laude

William John Clinger  
Jeffrey Lynn Davis  
Deanna Jeanne Dawe  
Barry Steven Feldman  
William Francis Kerwin  
Teresa Ruth McConnell

Timothy Lee Michel  
Doreen Marie Rilo  
Mary Kay Schwab  
Kimberly Ann Straight

### Cum Laude

Rosalyn Jane Anderson  
Sharon Elizabeth Aren  
David Wayne Baughman  
John Martin Brechbill  
Kristy Annette Briar  
Timothy Joseph Crum  
Margaret Ann Eberly  
John Martin Frazier  
Miriam Galevi  
Milene Janice Gerlach  
George Michael Green  
Lawrence Joseph Gutkowski  
Jodi Lee Hertenstein  
Stephanie K. Hood  
Janet Taylor Johnson  
Mark Anthony Lamantia  
Lori Kay Livensparger  
Janice Marie Lorman  
William Anthony Lotozo  
Allison Anne McLain  
Patricia Ann Morris  
Crystal Cecilia Noll  
Robert Wayne Percy  
Tauna Taylor Phillips  
Linda Randels  
Marcie Lee Rehmar  
Bryon Marvin Richard  
Leisa Ann Rihl  
Cynthia Buckholtz Sarver  
Jonathan Allen Scheetz  
Steven Eric Schupbach  
Douglas Lee Secrist  
Michael Segal  
Timothy Edward Seils  
David Roy Smith  
Joan Marie Thornton  
Jane Carol Tripp  
Bradley John Turson  
Brent William Van Horn  
Mary Jean Waibel  
Joan Glenn Weber  
Kathryn Sovine Weisenberger  
Mary Kathryn Yaneck  
Diane Kay Young

### Cum Laude with Distinction in Natural Resources Development

Bruce Raymond Motsch

### Cum Laude with Distinction in Political Science and with Honors in the Liberal Arts

David Charles Sweasey

### With Distinction in Animal Science

Leisa Ann Rihl

### With Distinction in Fisheries Management

William Edward Lynch, Jr.  
Vernon Randall Tinsley

### With Distinction in History and Philosophy of Science and with Honors in the Liberal Arts

Donna Houck

### With Distinction in Horticulture

Daniel Rueger

### With Distinction in International Studies and with Honors in the Liberal Arts

Pauline Borato

### With Honors in the Liberal Arts

Bruce Setty  
Ada Siekmeier  
Kathleen Wolf

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTIETH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 5, 1980

The Board of Trustees met at its regular monthly meeting on Friday, September 5, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, Daniel M. Galbreath, and Edmund C. Redman.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

September 5, 1980 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:40 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related issues.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, and Daniel M. Galbreath.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### RESOLUTIONS IN MEMORIAM

Resolution No. 81-23

*Synopsis: Resolutions honoring the service of one of this University's faculty members and two former members of the Board of Trustees who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

James W. Huffman

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 20, 1980, of James W. Huffman, at his home in Pickerington, Ohio, at the age of 85. Mr. Huffman was appointed a member of the University's Board of Trustees for a term beginning May 21, 1951 and ending May 13, 1957, by Governor Frank J. Lausche to succeed Warner M. Pomerene.

Born September 13, 1894, in Chandlersville, Ohio, Mr. Huffman was educated in the schools of Rock Hill Township, Muskingum County, and attended Ashland High School. He completed his undergraduate work at Ohio Wesleyan University, attended The Ohio State University College of Law from 1919 to 1921, and obtained his LL.B. degree in 1922 from the University of Chicago. Mr. Huffman was admitted to the bar in Ohio and Illinois in 1922 and practiced law in Chicago from 1922 to 1924. From 1924 to 1927, he served as Executive Secretary to Governor A. Vic Donahey; he was a member of the Public Utilities Commission from 1927 to 1929. Mr. Huffman set up his practice of law in Columbus in 1929. In 1945, he was appointed to the United States Senate to fill the unexpired term of Senator Harold Burton. Mr. Huffman returned to Columbus in 1946 to become President and Board Chairman of Motorists Mutual Insurance Company from which he retired in 1970.

Mr. Huffman was elected Trustee Emeritus and designated Trustee Director, Development Fund on July 8, 1957. He received The Ohio State University's Distinguished Service Award at the August, 1957 Commencement.



September 5, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

James W. Huffman (contd)

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

Leo Leavitt Rummell

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 26, 1980, of Leo L. Rummell, Dean Emeritus of the College of Agriculture and Home Economics and former member of the Board of Trustees.

Dean Rummell was born on December 1, 1893, at Niles, Ohio, in Trumbull County. He was the son of Elmer E. and Louise McCombs Rummell, who operated a farm in the vicinity of Niles.

Rummell received his Bachelor of Science in Agriculture degree from The Ohio State University in 1915 and his Master of Science degree in 1917. The College of Wooster presented Dean Rummell with an Honorary LL.D. Degree in 1956.

While an undergraduate at Ohio State, Rummell served as Editor of *The Agricultural Student* magazine, was a member of the University debating team and was on The Ohio State University Dairy Cattle Judging Team which won first place at the International Dairy Cattle Show. While an undergraduate, Rummell worked his way through college doing odd jobs which included washing dishes and waxing floors for Dr. William McPherson.

Rummell was appointed to the Board of Trustees in 1939 by his former university debate team partner, Governor John W. Bricker. In 1944, during his term as a trustee, Rummell served as President of the National Association of Governing Boards of State Universities. He was appointed Dean of the College of Agriculture in 1947, and in January, 1948, was named Director of the Ohio Agricultural Experiment Station, thereby combining for the first time these two key agricultural positions.

Immediately following his graduation from the College of Agriculture in 1915, Rummell served as Editor of Ohio Agricultural Experiment Station publications. In 1918 he was named Editor of *The Ohio Farmer* magazine and continued in that position until 1938, at which time he became agricultural counsel for the Ohio Council of Retail Merchants and served in that position until 1940. Following that assignment he became agricultural counsel for the Kroger Grocery and Baking Company of Cincinnati and served in that position until he was named Dean of the College of Agriculture in 1947.

Dean Rummell served as a Director of the Federal Reserve Bank of Cleveland for six years and served, also, as a Director of the Ohio Bell Telephone Company and of the Cleveland Union Stockyards Company. In his position as Dean and Director he served as a member of the State Natural Resources Commission and of the State Soil Conservation Committee. In 1955, and again in 1956, Rummell traveled to India to assist in establishing agricultural universities in the states of Punjab, Haryana and Rajasthan in Northwest India.

September 5, 1980 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Leo Leavitt Rummell (contd)

During Rummell's 12 years as Director of the Ohio Agricultural Experiment Station, he established five new substations, one each in Huron, Erie, Wood, Brown and Clark counties! Fifteen new buildings were added to the main station campus at Wooster, along with additional land to make a total of 1,600 acres devoted to agricultural research at Wooster. Among the new laboratories and offices constructed at Wooster during Director Rummell's tenure were those for the Departments of Horticulture, Forestry, Agronomy, Agricultural Engineering and Veterinary Science. Additionally, Rummell reorganized administration of the Ohio Agricultural Experiment Station and established separate departments for research in Veterinary Science, Poultry Science, Dairy Technology and Public Relations.

In 1958 the name of the college was changed from the College of Agriculture to the College of Agriculture and Home Economics. The present Agricultural Administration Building was constructed during Dean Rummell's tenure, as was Vivian Hall, which originally housed Biochemistry and Dairy Technology but which has recently housed the newly designated Department of Food Science and Nutrition. The Animal Science Building, including the Meats Laboratory, was under construction at the time of Rummell's retirement. Another achievement during Rummell's tenure included establishment of the first Swine Evaluation Station in the nation, located adjacent to Don Scott Field. This was accomplished in 1954. When Rummell left office, two additional buildings were on the drawing boards--an addition to Campbell Hall for Home Economics and an addition to the Botany and Zoology Building.

Rummell held membership in Delta Theta Sigma (social fraternity), Delta Sigma Rho (honorary debate fraternity), Phi Eta Sigma (scholastic honorary), and Gamma Sigma Delta, the Honor Society of Agriculture. He was also a member of Sphinx and of the Ohio State Forensic Society. At the time of his retirement on December 31, 1959, Dean Rummell had been listed in *Who's Who in America* for more than 20 years, had been a long-time member of the Ohio State Grange and of the Methodist Episcopal Church.

Dean Rummell was a member of numerous farm and livestock organizations, including Vice President of the Ohio State Safety Council. He was a long-time member of Rotary International and was immediate past President of the Green Valley, Arizona, Rotary Club.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy in their loss. It was directed that this resolution be inscribed on the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Virgil R. Wertz

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 21, 1980, of Virgil R. Wertz, Professor Emeritus in the Department of Agricultural Economics and Rural Sociology.

Dr. Wertz received his Bachelor of Science degree in agricultural economics in 1919, his Master's degree in 1920, and his Ph.D. degree in 1929 from the University of Wisconsin with the latter including a year of graduate study at the University of Minnesota.

September 5, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Virgil R. Wertz (contd)

Dr. Wertz joined the staff of the Department of Agricultural Economics and Rural Sociology of The Ohio State University in October of 1926 as an Assistant Professor. In the years that followed he was promoted to the rank of Professor. Prior to coming to Ohio he was employed as an Assistant Professor in the Department of Rural Economics of the University of South Dakota.

Dr. Wertz functioned as the Department's Extension Economist in his early years in addition to his teaching and research responsibilities in the areas of agricultural prices, incomes, and finance. In this capacity he sensed early that the increasing economic complexity of the farm problems of the depression years was creating a need to improve farmer's knowledge of economics. In this area he made a major contribution to the welfare of both farm and rural people by launching an Extension Education Program in economics in the middle 1930's. It consisted of a series of schools whose programs he designed and conducted in many rural areas of Ohio. In later years this program was expanded to include seminars held with farm people in the development of agricultural policies and programs both at the domestic and foreign levels. To supplement the instructional material available he prepared and published a series of fact leaflets on prices of farm products, foreign trade in farm products, and trends affecting agriculture. In this work he was assisted by his graduate students. In 1947 with the program well established Dr. Wertz asked and was granted permission to devote full time to teaching and research. After 34 years of service he retired in 1960 with the rank of Professor Emeritus.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**ALTERNATE HOLIDAY FOR PRESIDENTS' DAY**

Resolution No. 81-24

*Synopsis: Alternate holiday for the observance of Presidents' Day in the 1980-1981 year is proposed.*

WHEREAS pursuant to Section 124.19 of the Ohio Revised Code, alternative days for the observance of certain holidays at educational institutions may be established; and

WHEREAS on February 3, 1978, this Board designated that the Presidents' Day holiday of each year would be observed on the day before Christmas preceding the Presidents' Day in question; and

WHEREAS the Vice President for Personnel Services, with the concurrence of the President's Staff, has recommended that in 1980 University offices be closed for the observance of Presidents' Day on the day after Christmas so that University offices would be closed on Thursday and Friday in order to further enhance the University's energy conservation efforts:

September 5, 1980 meeting, Board of Trustees

**ALTERNATE HOLIDAY FOR PRESIDENTS' DAY (contd)**

NOW THEREFORE

BE IT RESOLVED, That the resolution approved in 1978 be amended to provide that in 1980, the alternate observance of the Presidents' Day holiday shall occur on Friday, the day after Christmas; and

BE IT FURTHER RESOLVED, That in infrequent years when Christmas falls on a Thursday, the same change in the holiday schedule shall apply.

Upon motion of Mrs. James, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-25

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, New and/or Reappointment of Chairmen of Departments and Divisions, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 11, 1980 meeting of the Board, including the following Appointments, New and/or Reappointment of Chairmen of Departments and Divisions, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget for 1980-81, be approved.

Appointments

Name: DONALD A. CRAMP  
Title: Director, Hospital Administration  
Department: University Hospitals  
Salary: \$54,960.00 (12-month)  
Effective: October 1, 1980  
Present Position: Executive Director, University Hospital, Louisville, Kentucky

Name: JOHN T. DEMEL  
Titles: Professor and Chairman  
Department: Engineering Graphics  
Effective: September 1, 1980  
Salary: \$45,000.00 (12-month)  
Present Positions: Associate Professor, Engineering Design Graphics, and Engineering Research Associate, Texas Engineering Experiment Station, Texas A&M University

September 5, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointments (contd)

Name: M. TERRY MCENANY  
Title: Professor (The Karl P. Klassen Chair of Thoracic Surgery)  
Department: Surgery  
Effective: September 1, 1980  
Salary: \$32,040.00 (12-month)  
Present Positions: Professor of Surgery, Brown University, Providence, Rhode Island, and Surgeon-in-Chief, the Miriam Hospital

New and/or Reappointment of Chairmen of Departments and Divisions

July 1, 1980 through June 30, 1984

Veterinary Clinical Sciences	Phillip W. Murdick
Veterinary Pathobiology	Adalbert Koestner

July 1, 1980 through June 30, 1983

Medicinal Chemistry and Pharmacognosy	Donald T. Witiak
*Pharmaceutics and Pharmaceutical Chemistry	Theodore D. Sokoloski

July 1, 1980 through June 30, 1982

*Administrative and Social Sciences	Dev S. Pathak
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October 1, 1980 through September 30, 1984

Economics	Edward J. Ray
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\*New Appointment

Leaves of Absence Without Salary

HARVEY M. FRIEDMAN, Professor, Department of Mathematics, effective April 1, 1981 through June 30, 1981, to do research at Pennsylvania State University.

LEE MILTON MODJESKA, Professor, College of Law, effective October 1, 1980 through September 30, 1981, to visit Duke University.

THOMAS M. OSTROM, Professor, Department of Psychology, effective April 1, 1981 through June 30, 1981, to do research at the Social Psychology Research Institute at the University of Mannheim in West Germany.

HANS J. ZASSENHAUS, Professor, Department of Mathematics, effective October 1, 1980 through December 31, 1980, to accept the distinguished U. S. Senior Scientist award at Humboldt Foundation of West Germany.

September 5, 1980 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

M. JEAN DAUBENMIRE, Associate Professor, School of Nursing, effective October 1, 1980 through March 31, 1981, to prepare manuscript for a book and write several articles for professional journals.

RICHARD EWING, Associate Professor, Department of Mathematics, effective October 1, 1980 through September 30, 1981, to accept an appointment with Mobil Research and Development Laboratories, Dallas, Texas.

MICHAEL ALAN FLIGNER, Associate Professor, Department of Statistics, effective October 1, 1980 through March 31, 1981, to do research at the University of Arizona.

PETER L. MULLINS, Associate Professor, Academic Faculty of Finance, effective October 1, 1980 through December 31, 1980, to complete final report on a research project.

ANNE S. ALLEN, Assistant Professor, School of Allied Medical Professions, effective August 1, 1980 through August 31, 1980, for personal reasons.

ROBERT JAY DONIA, Assistant Professor, Department of History (Lima Campus), effective October 1, 1980 through September 30, 1981, to accept a Fulbright grant for research in Yugoslavia.

MICHAEL JONES, Assistant Professor, Department of German, effective January 1, 1981 through March 31, 1981, to serve as a Visiting Scholar at the University of California, Irvine.

WALTER A. LIEDTKE, Assistant Professor, Department of History of Art, effective October 1, 1980 through September 30, 1981, to continue appointment as a Mellon Research Fellow at the Metropolitan Museum of Art.

ROBERT E. JOHNSON, Instructor, Academic Faculty of Management Sciences, effective January 1, 1981 through September 30, 1981, to complete his dissertation at University of Rochester.

#### Professional Improvement Leaves

HUGO BEKKER, Professor, Department of German, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

EUGENE CHING, Professor, Department of East Asian Languages and Literatures, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

DANIEL HOWLAND, Professor, Academic Faculty of Management Sciences, effective Autumn Quarter 1980, Winter Quarter 1981, and Spring Quarter 1981.

September 5, 1980 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Professional Improvement Leaves (contd)

MARGARITA LEVISI, Professor, Department of Romance Languages and Literatures, effective Autumn Quarter 1981 and Winter Quarter 1982.

JOHN C. RULE, Professor, Department of History, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

STEPHEN TRACY, Professor, Department of Classics, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

ARNOLD M. ZWICKY, Professor, Department of Linguistics, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

INEZ CARDOZO-FREEMAN, Associate Professor, Division of Comparative Studies in the Humanities (Newark Campus), effective Autumn Quarter 1980, Winter Quarter 1981, and Spring Quarter 1981.

MARY ANN WILLIAMS, Associate Professor, Department of Black Studies, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

#### Emeritus Titles

RILEY S. DOUGAN, Cooperative Extension Service, with the title Professor Emeritus, effective September 1, 1980.

CHARLES H. INGRAHAM, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective August 1, 1980.

ROBERT E. JEWETT, Academic Faculty of Humanities Education, with the title Professor Emeritus, effective October 1, 1980.

RALPH KITTLE, Cooperative Extension Service, with the title Professor Emeritus, effective September 1, 1980.

WILLIAM THOMAS MORRIS, Department of Industrial and Systems Engineering, with the title Professor Emeritus, effective July 1, 1980.

MABEL M. SARBAUGH, School of Home Economics - Administration, with the title Professor Emeritus, effective August 1, 1980.

GEORGE BURTON TOBEY, Department of Landscape Architecture, with the title Professor Emeritus, effective July 1, 1980.

ELLIOT L. WHITAKER, Department of Architecture, with the title Professor Emeritus, effective July 1, 1980.

GWENDOLYN B. CARSON, Department of Veterinary Clinical Sciences, with the title Clinical Associate Professor Emeritus, effective July 1, 1980.

September 5, 1980 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Emeritus Titles (contd)

DONALD R. KIBBEY, Department of Industrial and Systems Engineering, with the title Associate Professor Emeritus, effective July 1, 1980.

WILLIAM M. SHAW, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective September 1, 1980.

EDGAR P. WATKINS, Department of Agricultural Economics and Rural Sociology, with the title Assistant Professor Emeritus, effective August 1, 1980.

WILLIAM F. OLLILA, School of Allied Medical Professions, with the title Instructor Emeritus, effective July 1, 1980.

#### Appointment

Name:	HENRY G. CRAMBLETT
Title:	Vice President for Health Sciences
Office:	Health Sciences
Salary:	\$64,920.00 (12-month)
Effective:	Immediately
Present Positions:	Acting Vice President for Medical Affairs and Dean of the College of Medicine

#### President Enarson:

It gives me great pleasure to also have included at the last moment following the Executive Session of the Board, the name of Dr. Henry Cramblett, whom I submit with complete confidence and great pride to this Board and to the University community and to the community at large for the position of Vice President, Health Sciences.

You may recall that almost a year ago today, September 7, 1979, I reported in writing at some length to this Board, and at that time I indicated that the two top priorities of the year in this broad and important area of the health sciences would be: one, the establishment of a Hospitals Board, and the other, the completion of a search for a Vice President, Health Sciences. With respect to this search which has been conducted over a period of time with considerable vigor and considerable patience, I would say simply that it is not the first time in the history of this University, nor will it be the last, that we have taken a good, thorough look only to return to our own campus and conclude that someone now here has all the qualities we looked for to perform at a high level of competence in an important job.

The situation, of course, in the health complex is to some degree different than at the time some years ago when the search was started. We do have now a new Hospitals Board in place: it is meeting; it is rapidly assuming its full responsibilities; it is developing its own internal procedures, its own relationships with the



September 5, 1980 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

President Enarson: (contd)

hospital and, of course, with central administration. We also, as I said a moment ago, will have in place in October, a few short months from now, a new Director of Hospitals, and I would say that although there will never be a time of peace and tranquility in this or any other hospital that there is a higher degree of stability than there has been for some time. We are very pleased with the way in which the new Director of Nursing Services has taken over and she has contributed a great deal to not only stability but to the quality of services.

Sometimes it's best when you speak of somebody whom you know and admire and with whom you have worked for a period of years, it may be best to speak from the heart rather than from a written document. I would say that Henry Cramblett has a deep dedication to quality patient care. Dr. Cramblett has an equally deep dedication to quality education and research. He also has something which ought to be the *sine qua non* of any person of major responsibility; namely, a deep affection for and loyalty to the institution--Henry has that. He has developed by virtue of his services in the past eight years or so--I think it's better to say a keen grasp of the hospital, of its many problems, its many opportunities. He has a keen grasp of patient care, and of its transcendent importance, of the equally great importance of good working conditions for all of those who labor there in the care of patients, and he has a deep concern and a keen grasp of the problems of creating an appropriate learning environment. Dr. Cramblett also has an acute sense, I believe, of where the health complex here at this great University fits into the University community, fits into the city and state and in the national scheme of things. I can assure you that Dr. Cramblett commands a great deal of support not only here on campus and among colleagues in other disciplines, but he is well respected around the country.

I would simply say in conclusion that some years ago when he took the giant step from being a pediatrician to becoming a dean, that there were a number of rough moments for him and for us, and he is about to take another major big step which is to convert from a role of dean and all that implies in the way of loyalties to a larger dimension of loyalties in his role as Vice President of Health Sciences. Now, obviously, there is a great deal of work to be done in defining as sharply as possible the relationships of this office, the vice presidency, with the various centers of the health sciences; there are relationships to be developed within central administration; there is--obviously of great importance--the question of succession in the deanship of the College of Medicine. And although I think it makes good sense to propose, as we have, that his appointment be effective immediately, I say at the same time, that I will look to Dr. Cramblett to come to the administration and return to this Board in a month from now having fleshed out some of the arrangements. And, in sum, I am very pleased to submit to this Board the nomination of Dr. Cramblett.

Mr. Devenow:

Dr. Cramblett, I personally want to congratulate you and I want you to know that I think you are stepping up to one of our most critical needs at a time when

September 5, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Mr. Devenow: (contd)

we need the best brains in the world to handle it and I have full confidence you're going to be able to do it. It might interest you to know that the Board unanimously and enthusiastically agreed that this is the best man we could find for the job and I hope that it will certainly be made clear to all members of the University how important this decision is and how fortunate we are that you were able to step up to it. With that, gentlemen, if you have no other comments, we will take a roll call vote. First, a motion to approve all these appointments.

Dr. Jacob: I move.

Mr. Devenow: Is there a second?

Mr. Hilliker: Second.

Mr. Devenow: Roll call.

Unanimous roll call vote.

Mr. Galbreath:

Mr. Chairman, it's because of my previously expressed interest and concern with our University operations, not only on behalf of the hospital, not only on behalf of the University, but because of its significant role in our wonderful community, that I am going to take another second to chat about Dr. Cramblett, if I may. We do have our Hospitals Board in place. At our last meeting, we re-emphasized the need for the Vice President's role and as we chatted at lunch today, it became abundantly clear that Dr. Cramblett was the man qualified for this particular role, and I just want to add my personal endorsement because I have been so involved with the Hospitals Board. And I am saying this as a personal observation, I am most pleased with this, Dr. Cramblett, and will certainly lend all of my efforts and will encourage the Board of the hospitals to do the same in support of this move. I am very happy for you and I think we are all very blessed to have this opportunity.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-26

*Synopsis: The reports on contracts, grants, and gifts and the summaries for June and July are presented for Board acceptance.*

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the months of June and July, 1980, be approved.

Upon motion of Mrs. James, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR JUNE 1980**

Source	No. of Projects	Support Level
Office of Business and Administration	10	\$1,471,767.29
The Ohio State University Research Foundation	152	7,374,640.25
Engineering Experiment Station	18	106,708.00
		\$8,953,115.54
The Ohio State University Development Fund	4,600 Donors	\$1,108,687.72

**Report from Presidents Club**

Members to date	4,399
1980: year to date	1,013
New members - June 1980	11

**New Presidents Club Members - June 1980**

Henry J. Bickel	E. Kenneth Gavin
Donald J. Brooke	Mary Jo Ketner
Maureen Burkhardt (Mrs. John)	Shirley Powers
Jeffrey A. Coopersmith	Mark D. Senff
Roland D. Elderkin	William L. J. Spoor
Richard A. Garrido	

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JULY 1980**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	102	\$6,602,714.35
Engineering Experiment Station	68	698,472.00
		\$7,301,186.35
The Ohio State University Development Fund	4,301 Donors	\$1,228,429.80
Establishment of Named Funds		
The Kathryn M. Wildermuth Memorial Scholarship Fund (Undergraduate students)		\$ 566,939.79
The David and Phyllis Beck Scholarship Fund (Department of Animal Science)		\$ 30,000.00
The Hans Willenegger Residency in Veterinary Surgery (College of Veterinary Medicine)		\$ 5,776.97
The Michael Swink Memorial Scholarships in Theatre (Department of Theatre)		\$ 5,137.00
The College of Medicine Class of 1922 Memorial Scholarship Fund (College of Medicine - Second-year medical student)		\$ 5,000.00
Morgan Memorial Scholarship Fund (School of Natural Resources - Division of Forestry)		\$ 2,000.00

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JULY 1980 (contd)**

Report from Presidents Club

Members to date	4,404
1980: year to date	1,018
New members - July 1980	8

New Presidents Club Members - July 1980

James D. Casto	John H. Lumley
Charles R. Conn	Mildred C. Lumley (Mrs. John H.)
Bernard S. Davidorf	Mathilda M. Rosenblum (Mrs. Morris)
Samuel W. Kerr	Richard W. Zborowski

Presidents Club Members Withdrawn - July 1980

James M. Salamon  
Joseph P. Cowin  
Patrick T. McCray

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1980 through June 30, 1980

**OFFICE OF BUSINESS AND ADMINISTRATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
Equipment	1	\$ 245,750.00
Other	5	12,715.00
TOTAL - FEDERAL	6	\$ 258,465.00
STATE OF OHIO	6	1,215,357.29
GRAND TOTAL	12	\$1,473,822.29

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1980 through June 30, 1980

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
Department of Energy	5	\$ 229,766.00
National Aeronautics and Space Administration	13	619,094.00
National Science Foundation	46	1,867,280.00
Department of Defense	17	640,456.00
Department of Health, Education, and Welfare	89	6,804,028.00
Other Federal	38	2,687,931.00
TOTAL - FEDERAL	208	\$12,848,555.00
STATE OF OHIO	24	\$ 472,974.70
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	99	\$ 2,989,108.80
GRAND TOTAL	331	\$16,310,638.50

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1980 through June 30, 1980

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
FEDERAL	1	\$ 12,000.00
STATE OF OHIO	5	134,800.00
INDUSTRIAL AND OTHER	98	384,948.00
GRAND TOTAL	104	\$531,748.00



September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THIRD QUARTER SUMMARY  
(Corrected Copy)**

January 1, 1980 through March 31, 1980

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Source	No. of Donors	Support Level
<b>ANNUAL GIVING</b>		
Direct Mail	429	\$ 9,975.50
Annals	695	8,993.00
Miscellaneous	5,191	173,126.24
Community Campaigns	3	45.00
Corporate Matching Gifts	134	63,519.58
<b>TOTAL</b>	<b>6,452</b>	<b>\$ 255,659.32</b>
<b>MAJOR RESOURCES</b>		
Deferred Gifts	14	\$ 155,106.33
Major Individuals	474	417,413.69
Corporations	164	347,126.69
Corporate Foundations	73	109,572.45
Private Foundations	18	67,646.38
Other Organizations	224	351,125.90
<b>TOTAL</b>	<b>967</b>	<b>\$1,447,991.44</b>
<b>GRAND TOTAL</b>	<b>7,419</b>	<b>\$1,703,650.76</b>

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1980 through June 30, 1980

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Source	No. of Donors	Support Level
<b>ANNUAL GIVING</b>		
Direct Mail	1,663	\$ 73,554.58
Annals	2,920	41,984.25
Miscellaneous	5,717	328,717.45
Corporate Matching Gifts	72	53,745.28
<b>TOTAL</b>	<b>10,372</b>	<b>\$ 498,001.56</b>
<b>MAJOR RESOURCES</b>		
Deferred Gifts	19	\$ 843,619.06
Major Individuals	496	489,532.32
Corporations	422	1,107,688.19
Corporate Foundations	50	199,711.40
Private Foundations	27	75,301.11
Other Organizations	206	342,960.06
<b>TOTAL</b>	<b>1,220</b>	<b>\$3,058,812.14</b>
<b>GRAND TOTAL</b>	<b>11,592</b>	<b>\$3,556,813.70</b>

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

**Federal Research Contracts/Grants**

\$245,750.00 - U. S. Department of Commerce, National Telecommunications and Information Administration, Public Telecommunications Facilities Division, Washington, D. C., Improvement of Television Broadcasting Facilities, Telecommunications Center, October 1, 1979 through September 30, 1980. (Grant No. 39-02-90776)

\$6,000.00 - U. S. Department of Justice, Law Enforcement Assistance Administration, Washington, D. C., Law Enforcement Education Program (LEEP), Student Financial Aids, August 1, 1979 through July 31, 1980. (Grant No. 79-LP-AX-0640, Supplement No. 1)

\$3,750.00 - Small Business Administration, Washington, D. C., Small Business Institute, College of Administrative Science, April 24, 1980 through September 30, 1980. (Agreement No. SBA-4524-AMA-80)

\$910.00 - Tennessee Valley Authority, Norris, Tennessee, Participation in Academic Enrichment Program, School of Natural Resources, June 9, 1980 through September 12, 1980. (Contract No. TV-54573A)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 256,410.00**

**State of Ohio Research Contracts/Grants**

\$564,278.06 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services in Vocational Agriculture, Department of Agricultural Education, July 1, 1980 through June 30, 1981.

\$294,183.56 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Research, Survey, Evaluation and Exemplary Programs, Department of Agricultural Education, July 1, 1980 through June 30, 1981.

\$290,372.47 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education - Home Economics, School of Home Economics, July 1, 1980 through June 30, 1981.

\$33,900.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education Services in Vocational Education, Academic Faculty of Vocational-Technical Education, July 1, 1980 through June 30, 1981.

\$28,123.20 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Vocational Task Inventory Verification and Occupational Analysis Development, Academic Faculty of Vocational-Technical Education, June 1, 1980 through December 30, 1980.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$4,500.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Business and Office Education Summer Workshops, Academic Faculty of Vocational-Technical Education, April 1980 to October 1980.

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$1,215,357.29**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$488,844.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Ohio Statewide Cancer Control Support Development Grant, Cancer Research Center (C. J. Cavalaris), 1 September 1980 through 31 August 1981. (Project 761832 - Continuation)

\$397,877.00 - Department of Health, Education, and Welfare, Office of Education, Washington, D. C., Race Desegregation Training Institute, Academic Faculty of Educational Foundations and Research (W. Wayson), 1 July 1980 through 30 June 1981. (Project 762249 - New)

\$318,589.00 - Department of Health, Education, and Welfare, Public Health Service, Food and Drug Administration, Bureau of Veterinary Medicine, Rockville, Maryland, A Study to Develop an Experimental Disease Model in Horses, Department of Veterinary Physiology and Pharmacology (T. E. Powers), 28 June 1980 through 28 September 1981. (Project 761916 - Continuation)

\$195,988.00 - National Aeronautics and Space Administration Headquarters, Washington, D. C., CTS/Comstar Communication Link Characterization Experiment, Department of Electrical Engineering, ElectroScience Laboratory (D. B. Hodge), 15 March 1980 through 14 March 1981. (Project 762093 - Continuation)

\$148,249.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1980 through 30 June 1981. (Project 761133 - Continuation)

\$147,798.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1980 through 30 June 1981. (Project 761160 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$125,000.00 - National Science Foundation, Washington, D. C., Developmental Work on Academic Price Indexes, Office of Finance and Planning (G. W. Baughman), 15 June 1980 through 14 January 1982. (Project 762267 - New)

\$105,857.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Radiation Enhancement in Nervous System Tumor Models, Department of Medicine (N. R. Clendenon) and Department of Veterinary Pathobiology (A. Koestner), 1 September 1980 through 31 August 1981. (Project 764576 - Continuation)

\$102,158.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Study of the Pharmacokinetics of Anticancer Drugs, College of Pharmacy (L. Malspeis), 1 May 1980 through 30 April 1981. (Project 761128 - Continuation)

\$100,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propeller Aeroacoustic Methodologies - Comparisons of Propeller Performance and Acoustic Analyses With Wind Tunnel and Flight Test Measurements, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and K. D. Korkan), 16 July 1980 through 15 January 1981. (Project 761510 - Continuation)

\$99,085.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D. H. Busch), 1 July 1980 through 30 June 1981. (Project 761501 - Continuation)

\$98,327.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies of the Distribution, Disposition and Metabolism of Antineoplastic Agents, College of Pharmacy (L. Malspeis), 15 September 1980 through 14 September 1981. (Project 761876 - Continuation)

\$98,000.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Fundamental Studies of High-Temperature Corrosion Reactions, Department of Metallurgical Engineering (R. A. Rapp), 1 May 1980 through 30 April 1981. (Project 761619 - Continuation)

\$82,441.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Studies on the *In Vivo* Growth of Staphylococci, Department of Medical Microbiology (F. A. Kapral), 1 June 1980 through 31 May 1981. (Project 762330 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$81,469.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, The Role of Oxygen Radicals on Effector/Tumor Cells, Department of Medicine (A. L. Sagone), 1 September 1980 through 31 August 1981. (Project 761287 - Continuation)

\$80,872.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Protein Stability and Aging in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 July 1980 through 30 June 1981. (Project 761724 - Continuation)

\$79,279.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Clinical Cancer Education Program, Department of Surgery and College of Medicine - Administration (G. J. Cerilli), 1 July 1980 through 30 June 1981. (Project 761412 - Continuation)

\$76,148.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Cancer Center Epidemiology Biostatistic Unit, Cancer Research Center and Department of Preventive Medicine (M. D. Keller), 1 July 1980 through 30 June 1981. (Project 760789 - Continuation)

\$74,098.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Development of Prostaglandin System Antagonist, Department of Physiological Chemistry (H. W. Sprecker), 15 August 1980 through 14 August 1981. (Project 761288 - Continuation)

\$73,344.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathology of Mitochondria in Ischemic Myocardium, Department of Physiological Chemistry (G. P. Brierley), 30 June 1980 through 29 June 1981. (Project 761229 - Continuation)

\$72,992.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pathogenesis of Animal Leukemia, Department of Veterinary Pathobiology (E. A. Hoover), 1 September 1980 through 31 August 1981. (Project 760928 - Continuation)

\$71,314.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, College of Pharmacy, Division of Medicinal Chemistry (D. T. Witiak), 1 July 1980 through 30 June 1981. (Project 761123 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$70,826.00 - Department of Health, Education, and Welfare, Public Health Service, Bureau of Health Professions, Hyattsville, Maryland, Family Centered Program on Intervention, Nisonger Center for Mental Retardation (M. F. Chase), 1 July 1980 through 30 June 1981. (Project 760710 - Continuation)

\$70,054.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Oxalic Acid Metabolism and Primary Hyperoxaluria, Department of Physiological Chemistry (K. E. Richardson), 1 June 1980 through 31 May 1981. (Project 762720 - Continuation)

\$69,848.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 July 1980 through 30 June 1981. (Project 761742 - Continuation)

\$69,300.00 - Department of Health, Education, and Welfare, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Division of Associated Health Professions, Hyattsville, Maryland, Traineeships, Other Graduate Programs (Formula), School of Allied Medical Professions (D. C. Broski), 1 July 1980 through 30 June 1981. (Project 762226 - New)

\$68,035.00 - National Endowment for the Humanities, Washington, D. C., Hawthorne's English Notebooks, Department of English (T. M. Woodson), 1 July 1980 through 30 June 1982. (Project 762264 - New)

\$66,112.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Studies of Seminal Plasma Immune Response Inhibitor, Department of Medical Microbiology (C. Prakash and R. W. Lang), 1 May 1980 through 30 April 1981. (Project 762167 - New)

\$64,518.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Enzyme Catalysis of Electron and Group Transfer, Department of Chemistry (P. A. Frey), 1 July 1980 through 30 June 1981. (Project 762811 - Continuation)

\$62,242.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Energy Output and Efficiency of Left Ventricle, Department of Physiology (H. P. Pieper), 1 July 1980 through 30 June 1981. (Project 764403 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$61,929.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Amphetamine, Monoamines, and Behavior, College of Pharmacy (N. J. Uretsky), 1 July 1980 through 30 June 1981. (Project 761210 - Continuation)

\$59,967.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Application of Optical Computing to the Control of Jet Engines, Department of Electrical Engineering, ElectroScience Laboratory, (S. Collins), 1 August 1980 through 31 July 1981. (Project 761795 - Continuation)

\$57,977.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, New Spectral Probes in Hemolytic Anemias, Department of Physiological Chemistry (J. O. Alben), 1 July 1980 through 30 June 1981. (Project 760289 - Continuation)

\$56,800.00 - National Science Foundation, Washington, D. C., The Interannual Variation of Certain Features of the General Circulation Over the Southern Hemisphere, Department of Geography (J. C. Rogers), 1 July 1980 through 30 June 1982. (Project 762223 - New)

\$56,319.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1980 through 30 June 1981. (Project 760708 - Continuation)

\$53,734.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, The Development of Precerebellar Nuclei, Department of Anatomy (J. S. King), 1 July 1980 through 30 June 1981. (Project 760045 - Continuation)

\$53,500.00 - National Science Foundation, Washington, D. C., Wave Properties of Heterogeneous Materials, Department of Physics (D. G. Stroud, R. L. Mills, and J. Korringa), 1 August 1980 through 31 July 1981. (Project 761213 - Continuation)

\$52,521.00 - Lawrence Berkeley Laboratory, University of California, Berkeley, California, An Electrochemical and Morphological Study of the Effect of Temperature on the Restructuring and Loss of Capacity of Alkaline Battery Electrodes, Department of Metallurgical Engineering (D. Macdonald), 1 May 1980 through 30 April 1981. (Project 762220 - New)



September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$51,015.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Flavoenzyme Mechanisms: Redox and Non-Redox Reactions, Department of Chemistry (M. S. Jorns), 1 July 1980 through 30 June 1981. (Project 764374 - Continuation)

\$50,173.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Synthesis of Histrionicotoxin, A Neurotoxic Drug, Department of Chemistry (P. D. Magnus), 1 July 1980 through 30 June 1981. (Project 761702 - Continuation)

\$50,000.00 - Department of Agriculture, Science and Education Administration, Arlington, Virginia, Control of Insect Populations by Regulation of Dormancy, Department of Entomology (D. L. Denlinger), 1 October 1980 through 30 September 1982. (Project 761344 - Continuation)

\$50,000.00 - Environmental Protection Agency, Cincinnati, Ohio, Improved Assumptions About Liquid Flow Through Wastes, Department of Civil Engineering (C. A. Moore), 27 June 1980 through 1 October 1980. (Project 762234 - New)

\$49,880.00 - Environmental Protection Agency, Washington, D. C., Lake Erie Sediment Resuspension and Transport Mechanisms: Nearshore Vertical Profiles and Flux Rates, Department of Civil Engineering (K. W. Bedford and C. A. Moore), 12 June 1980 through 11 June 1981. (Project 762224 - New)

\$49,363.00 - National Science Foundation, Washington, D. C., Ultrastructure of Fossil Pollen and Spores, Department of Botany (T. N. Taylor), 1 October 1980 through 30 September 1981. (Project 762215 - Continuation)

\$48,396.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Functional Characteristics of Pulmonary Vascular Smooth Muscle, Department of Physiology (H. P. Pieper), 1 July 1980 through 30 June 1981. (Project 761217 - Continuation)

\$47,873.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Role of Axoplasmic Transport in Diabetic Neuropathy, Department of Medicine (J. R. Mendell), 1 July 1980 through 30 June 1981. (Project 761706 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$46,903.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Molecules of Biological Interest, Department of Chemistry (P. D. Magnus), 1 July 1980 through 30 June 1981. (Project 761184 - Continuation)

\$45,902.00 - National Science Foundation, Washington, D. C., Principles of Metal Erosion Resistance, Department of Metallurgical Engineering (P. G. Shewmon), 1 September 1980 through 31 July 1981. (Project 761241 - Continuation)

\$45,826.00 - National Science Foundation, Washington, D. C., Maintenance of the *Bacillus* Genetic Stock Center, Department of Microbiology (D. H. Dean), 1 August 1980 through 31 July 1981. (Project 762225 - Continuation)

\$45,706.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, The Neural Control of Temperature Regulation, Department of Physiology (J. A. Boulant), 1 July 1980 through 30 June 1981. (Project 761187 - Continuation)

\$45,037.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Regulation of Dihydrofolate Reductase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 July 1980 through 30 June 1981. (Project 761710 - Continuation)

\$44,873.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Hydrogen Attack of Steel, Department of Metallurgical Engineering (P. G. Shewmon), 1 April 1980 through 31 March 1981. (Project 764386 - Continuation)

\$44,769.00 - National Science Foundation, Washington, D. C., Gaseous and Aqueous Corrosion of Ceramics, Department of Ceramic Engineering (D. W. Readey), 1 July 1980 through 30 June 1981. (Project 761183 - Continuation)

\$42,931.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Nucleoside Kinase Regulation, Department of Biochemistry (D. H. Ives), 1 July 1980 through 30 June 1981. (Project 761732 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$42,692.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 May 1980 through 30 April 1981. (Project 761628 - Continuation)

\$42,600.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Models and Mechanisms of Acute Lung Injury After Shock, Department of Surgery (B. D. Lowery), 1 July 1980 through 30 June 1981. (Project 761744 - Continuation)

\$39,876.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Viscous Interaction Effects on Airfoil Performance, Department of Aeronautical and Astronautical Engineering (O. Burggraf), 1 July 1980 through 30 June 1981. (Project 761659 - Continuation)

\$39,176.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Study of the Activities of Impy and Its Metabolites, Department of Medicine (J. A. Neidhart), 1 August 1980 through 31 July 1981. (Project 761777 - Continuation)

\$38,167.00 - Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Psychiatry (Child) Residency, Department of Psychiatry (L. E. Arnold), 1 July 1980 through 30 June 1981. (Project 761764 - Continuation)

\$37,821.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Energetics of  $CA^{2+}$  Cycling During Muscle Contraction, Department of Physiology (J. A. Rall), 1 July 1980 through 30 June 1981. (Project 761174 - Continuation)

\$36,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson AFB, Ohio, Improved Modeling With Injury Prediction Capability of Human Shoulder Complex, Department of Engineering Mechanics (A. Engin), 15 May 1980 through 30 September 1980. (Project 762205 - New)

\$35,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Acoustic and Performance Evaluation of General Aviation Propellers by Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and K. D. Korkan) and Department of Aviation (G. S. Weislogel), 1 May 1980 through 21 January 1981. (Project 761471 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$34,993.00 - Department of the Army, Waterways Experiment Station, Corps of Engineers, Vicksburg, Mississippi, Development of a Theoretical Model for "Leaky" Ported Coaxial Cable Embedded at a Uniform Depth in a Lossy Half Space, Department of Electrical Engineering, ElectroScience Laboratory (J. Richmond and R. Garbacz), 1 May 1980 through 30 November 1980. (Project 762219 - New)

\$32,000.00 - Department of Health, Education, and Welfare, Office of Education for the Handicapped, Washington, D. C., Special Education Component in University Affiliated Facility, Nisonger Center for Mental Retardation (V. Cotter), 1 June 1980 through 31 May 1981. (Project 762209 - New)

\$32,000.00 - National Science Foundation, Washington, D. C., Structural Studies of Small Linear Cluster Models for Metal Surfaces and Catalysts, Department of Chemistry (G. G. Christoph), 1 August 1980 through 31 July 1981. (Project 761853 - Continuation)

\$29,850.00 - National Science Foundation, Washington, D. C., Paleoclimatic Ice Core Records from the Tropical Quelccaya Ice Cap, Institute of Polar Studies (D. H. Elliot and L. G. Thompson), 1 May 1980 through 30 April 1981. (Project 761519 - Continuation)

\$29,515.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells, *In Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 July 1980 through 30 September 1980. (Project 762178 - New)

\$26,858.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *In Vitro*, College of Pharmacy (D. Witiak), 1 July 1980 through 30 September 1980. (Project 762177 - New)

\$26,000.00 - Department of Health, Education, and Welfare, Office of Education, Bureau of Education for the Handicapped, Washington, D. C., Inservice Training for School Administrators and Special and Secondary Schools, Academic Faculty of Exceptional Children (J. O. Cooper), 1 June 1980 through 31 May 1981. (Project 762139 - New)

\$25,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Research Laboratories, Boulder, Colorado, Multiple Scattering of Centimeter and Millimeter Waves in Precipitation Filled Media, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan) and Engineering Experiment Station (T. A. Seliga), 1 April 1980 through 31 March 1981. (Project 761261 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$23,780.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, National Research Service Award, Department of Otolaryngology (D. J. Lim and D. E. Dunn), 1 July 1980 through 30 June 1981. (Project 760996 - Continuation)

\$22,890.00 - National Science Foundation, Washington, D. C., Symmetries of Finite Dimensional Normed Spaces, Department of Mathematics (D. R. Lewis), 1 July 1980 through 30 June 1982. (Project 762207 - New)

\$22,603.00 - National Science Foundation, Washington, D. C., The Probabilistic Analysis of Combinatorial Problems and Algorithms, Department of Mathematics (B. Pittel), 1 July 1980 through 30 June 1982. (Project 762251 - New)

\$21,009.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Research Laboratories, National Severe Storms Laboratory, Boulder, Colorado, Stability of Tornado-Like Vortices, Department of Aeronautical and Astronautical Engineering (M. R. Foster), 1 May 1980 through 30 April 1981. (Project 761347 - Continuation)

\$20,000.00 - National Endowment for the Arts, Washington, D. C., Museum Purchase Plan, College of the Arts - Administration (R. J. Stull), 1 July 1980 through 30 June 1981. (Project 762210 - New)

\$19,906.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels With Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. R. Blakeslee), 1 July 1980 through 30 September 1980. (Project 762179 - New)

\$19,358.00 - National Science Foundation, Washington, D. C., Measurability in a Banach Space, Department of Mathematics (G. A. Edgar), 1 July 1980 through 30 June 1982. (Project 762260 - Continuation)

\$18,741.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1980 through 30 September 1980. (Project 761657 - Continuation)

\$16,098.00 - Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, The Total Synthesis of Retigernaic Acid, Department of Chemistry (L. A. Paquette and K. A. Horn), 1 June 1980 through 31 May 1981. (Project 762248 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$15,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, SETI Research, Department of Electrical Engineering (J. D. Kraus), 1 August 1980 through 28 February 1981. (Project 760413 - Continuation)

\$13,317.00 - Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Clinical Psychology Internship Training, Department of Psychiatry (P. A. Marks), 1 July 1980 through 30 June 1981. (Project 761167 - Continuation)

\$12,574.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Improvements of Methods to Predict Pre-Crash Parameters from Skid Marks, Department of Mechanical Engineering (D. A. Guenther), 15 June 1980 through 15 September 1980. (Project 762254 - New)

\$11,600.00 - National Science Foundation, Washington, D. C., Spaces of Similarities, Department of Mathematics (D. B. Shapiro), 1 July 1980 through 30 June 1982. (Project 761144 - Continuation)

\$9,926.00 - National Science Foundation, Washington, D. C., Systematics of the Subtribe Milleriinae (Compositae), Department of Botany (T. F. Stuessy), 3 June 1980 through 31 December 1980. (Project 760354 - Continuation)

\$9,372.00 - Lawrence Livermore Laboratory, Livermore, California, Development and Installation of Hartree-Fock Codes for Bound and Resonance Electronic States, Department of Chemistry (C. W. McCurdy), 1 June 1980 through 30 November 1980. (Project 762237 - New)

\$9,001.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Analytical Model of Children in Panic Braking Environment, Department of Mechanical Engineering (D. A. Guenther), 15 June 1980 through 30 September 1980. (Project 762253 - New)

\$5,600.00 - National Endowment for the Arts, Washington, D. C., Design Student Fellowship Program, Department of Landscape Architecture (J. D. Carpenter), 15 September 1980 through 15 June 1981. (Project 762263 - New)

\$5,000.00 - National Endowment for the Arts, Washington, D. C., Public Film, Photography and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1980 through 31 December 1980. (Project 762268 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$3,598.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Examination of Lightweight Truck Side Structures, Department of Mechanical Engineering (D. A. Guenther), 16 June 1980 through 19 September 1980. (Project 762255 - New)

\$3,000.00 - National Science Foundation, Washington, D. C., Physiology of Buoyancy Regulation, Department of Zoology (L. I. Greenwald), 23 May 1980 through 28 February 1981. (Project 761581 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$5,699,979.00**

**State of Ohio Research Contracts/Grants**

\$25,832.00 - State of Ohio - Department of Education, Division of Special Education, Columbus, Ohio, Developing Guidelines for Multifactorial Team Evaluations, Academic Faculty of Exceptional Children (M. L. Kabler), 1 June 1980 through 30 September 1980. (Project 762208 - New)

\$18,750.00 - State of Ohio, Department of Natural Resources, Division of Wildlife, Columbus, Ohio, Yellow Perch Parasite Research, Department of Zoology (J. L. Crites) and College of Biological Sciences, Center for Lake Erie Area Research (J. M. Reutter), 1 July 1980 through 30 June 1981. (Project 762192 - Continuation)

\$16,733.00 - State of Ohio - Department of Mental Health and Mental Retardation, Office of Program Evaluation and Research, Columbus, Ohio, Assessment of Programmatic Responses to the Proposed Standard and Guidelines for Program Evaluation in 648 Board and Contract Agencies, College of Social Work (B. Toomey), 1 July 1980 through 31 October 1980. (Project 762256 - Continuation)

\$9,649.70 - The Ohio Board of Regents, Columbus, Ohio, Coordination of Allied Health Education Programs, School of Allied Medical Professions (S. C. Upp and D. C. Broski), 1 October 1979 through 30 June 1980. (Project 761399 - Continuation)

\$4,930.00 - Ohio Historical Society, Ohio Historic Preservation Office, Columbus, Ohio, A Proposal for an Archaeological Survey of the Scioto River South of Columbus Between I-270 and S. R. 316, Department of Anthropology (W. Dancey), 27 June 1980 through 26 June 1981. (Project 762259 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$500.00 - The Ohio Program in the Humanities, Columbus, Ohio, Communities at the Crossroads: Community Development and the Lima Region's Heritage and Future, Department of Sociology (Lima Campus) (D. S. Adams) and Department of English (Lima Campus) (K. T. Rainey), 24 June 1980 through 30 August 1980. (Project 762095 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 76,394.70

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$328,026.00 - The Robert Wood Johnson Foundation, Princeton, New Jersey, Rural Infant Care Program Summary, Department of Obstetrics and Gynecology (R. W. O'Shaughnessy and F. P. Zuspan), 1 July 1980 through 30 June 1982. (Project 762218 - New)

\$147,200.00 - American Cancer Society, Inc., New York, New York, Faculty Research Award, Department of Biochemistry (L. F. Johnson), 1 July 1980 through 30 June 1985. (Project 762231 - New)

\$119,057.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 1 June 1980 through 31 May 1982. (Project 762217 - New)

\$102,033.00 - Hannah Neil Center for Children, Columbus, Ohio, Implementing Behavioral Treatment Activities - A Joint Exceptional Children/Physical Education Internship, School of Health, Physical Education, and Recreation (C. L. Mand) and Academic Faculty of Exceptional Children (J. O. Cooper), 1 July 1980 through 30 June 1981. (Project 762235 - Continuation)

\$92,000.00 - Japan-United States Friendship Commission, Washington, D. C., Bi-National Studies and Exchange Program in Environmental Planning and Design Education, School of Architecture - Administration (M. Kinoshita), 1 April 1980 through 31 March 1982. (Project 762250 - New)

\$62,513.00 - Battelle - Columbus Laboratories, Columbus, Ohio, Large Animal Preclinical Evaluations of Pharmacodynamic Effects of Antiplastic Compounds on the Cardiovascular System, Department of Veterinary Physiology (R. L. Hamlin), 15 January 1980 through 30 June 1980. (Project 760245 - Continuation)

\$50,329.00 - West Virginia Public Service Commission, Charleston, West Virginia, Technical Assistance in Consideration of PURPA Section 111 Standards for the Appalachian Power Company, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 19 March 1980 through 19 October 1980. (Project 762086 - New)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private and Other Non-Federal Research Contracts/Grants (contd)**

\$40,000.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Modeling Chemical Reactivity, Heat Flux, and Fluid Flow in In-Situ Coal Liquefaction, Department of Chemical Engineering (D. R. Skidmore), 16 June 1980 through 15 June 1981. (Project 762228 - New)

\$39,996.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, The Relationship Between Union-Management Relations and Miner Productivity, Job Satisfaction, and Coal Company Performance, Academic Faculty of Labor and Human Resources (R. C. Miljus, A. F. Campagna and C. J. Slanicka), 16 June 1980 through 15 June 1981. (Project 762229 - New)

\$39,974.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Fracture Mechanics and Structural Responses Associated With Energy Resource Recovery, Department of Engineering Mechanics (S. H. Advani and T. G. Richard), 16 June 1980 through 15 June 1981. (Project 762227 - New)

\$30,000.00 - American Cancer Society, Inc., New York, New York, American Cancer Society Institutional Research Grant, Cancer Research Center (D. S. Yohn), 1 July 1980 through 30 June 1981. (Project 764472 - Continuation)

\$30,000.00 - United States Trotting Association, Columbus, Ohio, Equine Viral Rhinopneumonitis: Reinfection, Immunity, and Pathogenesis, Department of Veterinary Clinical Sciences (P. Murdick), 30 April 1980 through 31 March 1981. (Project 760159 - Continuation)

\$29,427.00 - The Parker B. Francis Foundation, Hanover, New Hampshire, Application for Fellowship in Pulmonary Research, Department of Medicine (M. E. Whitcomb), 1 July 1980 through 30 June 1981. (Project 761553 - Continuation)

\$28,511.00 - NRTA/AARP Andrus Foundation, Washington, D. C., The Black Professional and Pre-Retirement Planning and Attitudes, College of Social Work (K. Kilty and J. Behling), 1 July 1980 through 30 June 1981. (Project 762212 - New)

\$25,867.00 - Environmental Measurements, Inc., San Francisco, California, 1980 Field Program Personnel Support to PEPE/NEROS, Department of Electrical Engineering (T. A. Seliga), 6 June 1980 through 31 October 1980. (Project 762232 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private and Other Non-Federal Research Contracts/Grants (contd)**

\$23,980.00 - American Heart Association, Inc., Dallas, Texas, CO Distribution of Sub-Lethal Levels in the Heart, Department of Physiological Chemistry (J. O. Alben), 1 July 1980 through 30 June 1981. (Project 761115 - Continuation)

\$20,592.00 - Central Ohio Lung Association, Columbus, Ohio, School Health Curriculum Project Workshop - Berkeley Model, School of Health, Physical Education, and Recreation (P. Heit), 1 April 1979 through 30 June 1981. (Project 761101 - Continuation)

\$20,000.00 - Lockheed Missiles & Space Company, Inc., Sunnyvale, California, Antenna Technology Study, Department of Electrical Engineering, Electro-Science Laboratory (R. Rudduck), 9 June 1980 through 30 November 1980. (Project 762233 - New)

\$20,000.00 - National Fund for Medical Education, Hartford, Connecticut, Fellowship in Medical Education, Department of Family Medicine (T. Williams, D. Katerndahl and L. Gabel), 1 July 1980 through 30 June 1981. (Project 762211 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Energetics of Activation in Striated Muscle, Department of Physiology (J. Rall), 1 October 1980 through 30 September 1981. (Project 762243 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Hypertensive Peptides From Pre-eclamptic Placentas, Department of Physiology (J. J. Curry), 1 October 1980 through 30 September 1981. (Project 762239 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Prostanoids and Serum Lipids in the Exercise Conditioned Rat, Department of Physiological Chemistry (J. A. Merola) and Department of Pathology (H. A. I. Newman), 1 October 1980 through 30 September 1981. (Project 762257 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Quantitative Studies of the Arterial Endothelium, Department of Surgery (J. F. Cornhill), 1 October 1980 through 30 September 1981. (Project 762238 - New)

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Effects of Drugs and Pathophysiology on Capillary Blood Flow, College of Medicine - Administration (R. Strauss), 1 October 1980 through 30 September 1981. (Project 762265 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private and Other Non-Federal Research Contracts/Grants (contd)**

\$15,000.00 - American Otological Society, San Diego, California, Otosclerosis: Ultrastructural and X-Ray Microanalysis, Department of Otolaryngology (D. J. Lim), 1 July 1980 through 30 June 1981. (Project 762789 - Continuation)

\$15,000.00 - Muscular Dystrophy Association, New York, New York, Studies on the Embryonic Development of Normal and Dystrophic Muscles, Department of Physiology (B. Stokes), 1 July 1980 through 30 June 1981. (Project 761661 - Continuation)

\$14,819.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Electrophysiologic and Mechanical Effects of pr- and bu-MDI's in Normal and Infarcted Dog Heart, Department of Veterinary Physiology and Pharmacology (W. W. Muir), 1 October 1980 through 30 September 1981. (Project 762241 - New)

\$12,539.00 - Southwest Oncology Group, Kansas City, Kansas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Pathology (R. O'Toole), and Department of Medicine (H. Wilson), 1 January 1980 through 31 December 1980. (Project 761460 - Continuation)

\$12,481.00 - Northern Essex Community College, Haverhill, Massachusetts; Milwaukee Area Technical College, Milwaukee, Wisconsin; Kalamazoo Valley Community College, Kalamazoo, Michigan; Linn-Benton Community College, Albany, Oregon; Orangeburg-Calhoun Technical College, Orangeburg, South Carolina, Postsecondary Alliance - Business, Industry, and Labor Articulation Program - Option A, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 31 October 1980. (Project 762196 - Continuation)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Control of Rate and Depth of Breathing in the Chicken, Department of Physiology (A. Kunz and T. L. Clanton), 1 July 1980 through 30 June 1981. (Project 762222 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, The Effect of Chronic Vasodilator Therapy on Regional Flow in Congestive Heart Failure, Department of Medicine (R. D. Magorien), 1 October 1980 through 30 September 1981. (Project 762240 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Vascular Changes in Placental Bed in Hypertensive Pregnancy, Department of Obstetrics and Gynecology (R. O'Shaughnessy and F. P. Zuspan), 1 October 1980 through 30 September 1981. (Project 762242 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private and Other Non-Federal Research Contracts/Grants (contd)**

\$11,733.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Biochemical and Structural Analysis of Myocardial Z-line and Rod Body, Department of Veterinary Anatomy (M. Yamaguchi), 1 October 1980 through 30 September 1981. (Project 762247 - New)

\$11,697.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Specific Assay for Cardiac Glycosides by ECD-GLC and HPLC, Department of Veterinary Clinical Sciences (R. A. Sams) and College of Pharmacy (R. H. Reuning), 1 October 1980 through 30 September 1981. (Project 762244 - New)

\$11,500.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Studies on the Energy Metabolism in Human Platelets *In Vitro*, Department of Pharmacology (G. A. Tejwani), 1 October 1980 through 30 September 1981. (Project 762246 - New)

\$11,076.00 - Carnegie-Mellon University, Pittsburgh, Pennsylvania, Distributed Data Base Design, Academic Faculty of Accounting (P. De), 1 November 1979 through 23 June 1980. (Project 762236 - New)

\$10,880.00 - The American Association of Handwriting Analysts, Park Ridge, Illinois, Handwriting Analysis for Personnel Selection, Department of Psychology (R. Klimoski), 1 June 1980 through 31 May 1981. (Project 762252 - New)

\$10,224.00 - Chemical Abstracts Service, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval, Department of Psychology (H. Shulman), 16 June 1980 through 12 June 1981. (Project 762213 - New)

\$10,000.00 - Kidney Foundation of Central Ohio, Inc., Columbus, Ohio, Mechanisms and Patterns of Proteinuria in Health and Disease, Department of Medicine (R. A. Zager and L. A. Hebert), 1 July 1980 through 30 June 1981. (Project 762206 - New)

\$9,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Mitral Valve Prolapse Arrhythmias: Effects of Exercise, Department of Medicine (S. F. Schall), 1 October 1980 through 30 September 1981. (Project 762245 - New)

\$8,252.00 - Texas A & M Research Foundation, College Station, Texas, Correlation Tests on ARSMS, Engineering Experiment Station, Water Resources Center (E. A. Whitehurst), 1 February 1980 through 5 March 1980. (Project 762038 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private and Other Non-Federal Research Contracts/Grants (contd)**

\$8,234.00 - Arkansas State Highway and Transportation Department, Little Rock, Arkansas, The Distribution of Naiad Mollusks in Specified Areas of the White and St. Francis Rivers, Arkansas, With Special Attention to the Endangered Species *Potamilus Capax* (Green, 1832), Department of Zoology (D. H. Stansbery and C. B. Stein), 1 July 1980 through 31 December 1980. (Project 762266 - New)

\$7,500.00 - International Telecommunications Satellite Organization "INTELSAT", Washington, D. C., Radar Measurement of Rain Cells, Department of Electrical Engineering, ElectroScience Laboratory (D. B. Hodge), 17 June 1980 through 19 October 1981. (Project 762080 - Continuation)

\$6,864.50 - Ohio Medical Indemnity Mutual Corporation, Worthington, Ohio, School Health Curriculum Project - 4th Grade, School of Health, Physical Education, and Recreation (P. Heit), 1 July 1980 through 30 June 1981. (Project 761746 - Continuation)

\$5,500.00 - Caldwell Community College and Technical Institute, Hudson, North Carolina, Implementing Competency-Based Occupational Education Programs, National Center for Research in Vocational Education (R. E. Taylor), 1 October 1979 through 30 September 1980. (Project 762166 - New)

\$5,015.00 - American Newspaper Publishers Association, Reston, Virginia, Antecedents of the Need for Information Among Newspaper Audiences, School of Journalism (L. B. Becker), 1 June 1980 through 31 December 1980. (Project 762214 - New)

\$5,000.00 - Trident Technical College, Charleston, South Carolina, An Assessment of Faculty/Staff Development Needs and Special Programs for Trident Technical College, Charleston, South Carolina, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1980. (Project 762221 - New)

\$4,992.40 - Dallas County Community College District, Dallas, Texas; Hocking Technical College, Nelsonville, Ohio, Postsecondary Alliance - Business, Industry, and Labor Articulation Program - Option A, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 31 October 1980. (Project 762196 - Continuation)

\$3,339.00 - Southern Illinois University, School of Technical Careers, Carbondale, Illinois, Postsecondary Alliance - Evaluation Program Option A - Clearing House, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1981. (Project 762195 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$3,111.65 - North Atlantic Treaty Organization, Brussels, Belgium, Cooperative Studies of Raindrop Size Distributions Using a Joss-Disdrometer and the Differential Reflectivity (Z<sub>DR</sub>) Technique, Department of Electrical Engineering (V. N. Bringi), 1 April 1980 through 31 March 1981. (Project 762149 - New)

\$2,700.00 - Wilmer-Hutchins Independent School District, Dallas, Texas, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 June 1980 through 30 June 1980. (Project 768029 - New)

\$2,625.00 - Hamilton Standard, Division of United Technologies, Windsor Locks, Connecticut, Advanced Airfoils for Propeller Applications, Department of Aeronautical and Astronautical Engineering (K. D. Korkan), 13 June 1980 through 30 June 1980. (Project 761707 - Continuation)

\$2,575.00 - Southwest Oncology Group, Kansas City, Kansas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Medicine (H. E. Wilson), 30 March 1980 through 29 June 1980. (Project 760617 - Continuation)

\$1,750.00 - International Labor Organization, Bangkok, Thailand, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 31 July 1980. (Project 768030 - New)

\$1,554.00 - University of Dayton, Dayton, Ohio, Evaluation of Rheological Data, Department of Chemical Engineering (R. S. Brodkey), 1 January 1980 through 30 April 1980. (Project 761166 - Continuation)

\$800.00 - University of Illinois, Champaign, Illinois, Child Welfare Services Region V Conference, College of Social Work (N. Rindfleisch), 1 April 1980 through 30 June 1980. (Project 761930 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,598,266.55**

**ENGINEERING EXPERIMENT STATION**

**Federal Sponsored Research and Development**

\$12,000.00 - National Bureau of Standards, Boulder, Colorado, Criteria for Initiation, Propagation and Arrest of Cleavage Fractures in Steel Alloys, Department of Metallurgical Engineering, May 1, 1980 through September 30, 1980. (D9797/312651)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**State Sponsored Research and Development**

\$76,786.00 - State of Ohio - Department of Transportation, Columbus, Ohio, Development of a Driver-Based Method for the Evaluation of Traffic Control Systems for Freeway Construction and Maintenance Operations, Department of Industrial and Systems Engineering, June 15, 1980 through June 14, 1981. (EES 581/529061, Extension 2)

\$8,418.00 - various agencies for three development projects conducted in two engineering departments.

**TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$85,204.00**

**Industrial and Other Sponsored Research and Development**

\$9,504.00 - various industries for 13 development projects conducted in three engineering departments and research areas.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$50,000.00 - Mr. James D. Casto, North Miami, Florida, for French Field House Track Fund.

\$50,000.00 - SDRC, Milford, Ohio, for Advanced Design Methods Laboratory - Mechanical Engineering.

\$27,162.00 - Dorsey Laboratories, Lincoln, Nebraska, for Clinical Pharmacology Fund.

\$25,972.00 - The Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$25,000.00 - Owens-Illinois Fund of the Charities Foundation, Toledo, Ohio, for Owens-Illinois Professorship in International Business.

\$20,159.01 - The American Medical Association, Chicago, Illinois, for Faculty Seminar on Medical Education.

\$20,000.00 - Borden Foundation, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$18,982.00 - Eli Lilly & Company, Indianapolis, Indiana, for Clinical Pharmacology of Dobutamine - Eli Lilly Co.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$15,000.00 - The Upjohn Company, Kalamazoo, Michigan, for Upjohn Company Graduate Training Fellowship.

\$15,000.00 - Westinghouse Educational Foundation, Pittsburgh, Pennsylvania, for Lamme Power Systems Laboratory.

\$14,850.74 - Dr. Ulrich Saxer, Columbus, Ohio, for Veterinary Surgery Research.

\$13,500.00 - The City Loan and Savings Company, Lima, Ohio, for WOSU Support Fund.

\$12,500.00 - Central Ohio Lung Association, Columbus, Ohio, for Pulmonary and Respiratory Care Research Fund.

\$12,000.00 - Illuminating Engineering Research Institute, New York, New York, for Institute for Research in Vision.

\$10,605.63 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,000.00 - Dow Chemical Company, Midland, Michigan, for Dow Chemical Research Support Fund.

\$10,000.00 - The Huntington National Bank, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$10,000.00 - The Merck Company Foundation, Rahway, New Jersey, for Merck Grant for Faculty Development - Chemistry.

\$10,000.00 - Mid Ohio Automotive, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$9,850.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$8,000.00 - Mrs. Thelma Kiplinger, Dublin, Ohio, for D. C. Kiplinger Chair in Floriculture.

\$7,500.00 - The Standard Oil Company, Cleveland, Ohio, for Early Start Program.



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$7,342.46 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$7,000.00 - The American College of Physicians, Philadelphia, Pennsylvania, for Department of Medicine General Fund.

\$7,000.00 - Conoco, Inc., Ponca City, Oklahoma, for Conoco Fellowship in Chemistry.

\$6,900.00 - Select Sires, Plain City, Ohio, for Sperm Fertility Research Fund.

\$6,750.00 - The Arthritis Foundation, Columbus, Ohio, for Arthritis Education Fund.

\$6,627.84 - Systems Associates, Columbus, Ohio, for Cardiology Support Fund.

\$6,210.00 - The Pharmaceutical Manufacturers Association Foundation, Inc., for P.M.A. Fellowship.

\$6,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$5,613.00 - Mead Johnson & Company, Evansville, Indiana, for Menopausal Patient Follow-up Project.

\$5,500.00 - Mr. Timothy L. Hooper, Columbus, Ohio--\$5,000.00 for Department of Otolaryngology Fund and \$500.00 for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Alcoa Foundation, Pittsburgh, Pennsylvania, for Alcoa Foundation Scholarship Fund.

\$5,000.00 - Ernst & Whinney Foundation, Columbus, Ohio, for Ernst and Ernst Accounting Grant.

\$5,000.00 - Estate Under the Will of Donald C. Power, Columbus, Ohio, for Manuel Tzagournis Teaching and Research Fund.

\$5,000.00 - Mr. Wayne H. Kuhn, Marion, Ohio, for an undesignated gift to the University.

\$5,000.00 - Nationwide Mutual Insurance Company, Columbus, Ohio, for C. William O'Neill Professorship of Law Fund.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts-in-Kind

\$82,500.00 - Mr. David W. Beck, Dayton, Ohio, cattle to be housed in the College of Agriculture.

\$7,128.00 - Estate Under the Will of William A. Stephen, Worthington, Ohio, books to be housed in the College of Biological Sciences.

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Federal Research Contracts/Grants

\$1,363,062.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant, Cancer Research Center (D. S. Yohn), 1 July 1980 through 30 June 1981. (Project 763976 - Continuation)

\$468,278.00 - Department of Labor, Employment and Training Administration, Washington, D. C., Technical Assistance and Training for Occupational Skills, National Center for Research in Vocational Education (R. E. Taylor), 1 June 1980 through 31 August 1981. (Project 762216 - New)

\$182,625.00 - Environmental Protection Agency, Chicago, Illinois, Lake Erie Monitoring Program: Main Lake Water Quality and Cladophora, College of Biological Sciences, Center for Lake Erie Area Research (C. E. Herdendorf) and Department of Civil Engineering (R. C. Stiefel), 1 July 1980 through 30 June 1981. (Project 762280 - New)

\$162,676.00 - Department of Health and Human Services, Office of Human Development Services, Chicago, Illinois, UAF Administration and Operation, Nisonger Center for Mental Retardation (M. J. Guralnick), 30 June 1980 through 29 June 1981. (Project 760751 - Continuation)

\$152,809.00 - Department of Education, Education for the Handicapped, Washington, D. C., A Parent Child Interaction Model for Assessment and Training of Severe Language Delay, Nisonger Center for Mental Retardation (J. D. MacDonald), 1 July 1980 through 30 June 1981. (Project 761189 - Continuation)

\$150,687.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Division of Nursing, Hyattsville, Maryland, Professional Nurse Traineeship Program, School of Nursing (E. L. Fritz), 1 July 1980 through 30 June 1981. (Project 760803 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$143,003.00 - Department of Labor, Washington, D. C., A Formative Evaluation of the Private Sector Initiative Program and HIRE II, Department of Political Science (R. B. Ripley), 1 April 1980 through 30 November 1981. (Project 761515 - Continuation)

\$141,999.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Women's Health Research Program, School of Nursing (J. S. Stevenson), 1 July 1980 through 30 June 1981. (Project 762275 - New)

\$127,569.00 - Department of Education, Education for the Handicapped, Washington, D. C., The Development of a Curriculum for Pediatric Residents in Handicapping Conditions, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1980 through 30 June 1981. (Project 761774 - Continuation)

\$113,450.00 - Department of Education, Washington, D. C., Teacher Corps Operations and Training, Academic Faculty of Early and Middle Childhood Education (C. R. Williams and E. Freeman), 15 July 1980 through 14 July 1981. (Project 761660 - Continuation)

\$105,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Isolation and Genetic Analysis of Sporulation Genes, Department of Microbiology (D. H. Dean), 1 July 1980 through 31 July 1980. (Project 761218 - Continuation)

\$102,926.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Neuro-Oncogenesis by Resorptive Carcinogens, Department of Veterinary Pathobiology (A. Koestner and K. Marushige), 1 August 1980 through 30 June 1981. (Project 762762 - Continuation)

\$99,998.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Development Grant, School of Nursing (J. S. Stevenson), 1 July 1980 through 30 June 1981. (Project 761747 - Continuation)

\$95,335.00 - National Science Foundation, Washington, D. C., Hot Corrosion of Metals and Alloys by Fused Salts, Department of Metallurgical Engineering (R. A. Rapp), 1 August 1980 through 31 July 1981. (Project 761799 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$92,770.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Photochemistry of the Genus *Thalictrum*, College of Pharmacy (J. L. Beal, R. W. Duskotch, and P. N. Patil), 1 July 1980 through 30 June 1981. (Project 761497 - Continuation)

\$76,588.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Bio-transformations of Estrogens and the Development of Cancer, College of Pharmacy (R. Brueggemeier), 1 August 1980 through 30 June 1981. (Project 762304 - New)

\$68,292.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Subunit Studies of a Heart Respiratory Complex, Department of Physiological Chemistry (J. S. Rieske), 1 August 1980 through 31 July 1981. (Project 762285 - New)

\$67,400.00 - National Science Foundation, Washington, D. C., Theory of Social Impact, Department of Psychology (B. Latane), 1 September 1980 through 31 August 1981. (Project 760485 - Continuation)

\$65,901.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthetic Elaboration of Polyquinane Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1980 through 30 June 1981. (Project 762298 - New)

\$61,597.00 - National Science Foundation, Washington, D. C., Evolutionary Trends in Homosporous Ferns, Department of Botany (V. Raghavan), 1 July 1980 through 30 June 1983. (Project 761124 - Continuation)

\$60,000.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Theoretical Foundations of Software Technology, Department of Computer and Information Science (H. W. Buttelmann, B. Chandrasekaran, and L. J. White), 1 July 1980 through 30 June 1981. (Project 761640 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D. C., The Development of Brainstem-Spinal Systems Related to Autonomic Control, Pain Modulation and Somatic Motor Activity, Department of Anatomy (G. F. Martin), 1 September 1980 through 31 August 1981. (Project 762278 - New)

\$54,581.00 - National Science Foundation, Washington, D. C., Low Temperature Transport Phenomena in Metals, Department of Physics (J. C. Garland), 1 July 1980 through 30 June 1981. (Project 761192 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$52,664.00 - National Science Foundation, Washington, D. C., Magnetic Resonance in Ferromagnetic Domain Walls, Department of Physics (P. E. Wigen) 1 July 1980 through 30 June 1981. (Project 762292 - Continuation)

\$51,000.00 - National Science Foundation, Washington, D. C., Phase Transition in Solid Hydrogen Alloys and Other Disordered Systems, Department of Physics (J. R. Gaines), 1 July 1980 through 30 June 1981. (Project 761211 - Continuation)

\$47,723.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Norpace Kinetics and Bioavailability in Heart Failure, College of Pharmacy (J. J. Lima), 1 July 1980 through 30 June 1981. (Project 762271 - New)

\$45,000.00 - Department of Education, National Institute of Education, Washington, D. C., Seminar Workshop on Writing for Funding and Publication, Academic Faculty of Special Services (R. J. Silverman), 1 May 1980 through 30 April 1981. (Project 761625 - Continuation)

\$44,986.00 - Department of Energy, Federal Energy Regulatory Commission, Washington, D. C., Cogeneration Rate Design Workshops, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 28 May 1980 through 30 June 1980. (Project 762199 - New)

\$43,089.00 - National Science Foundation, Washington, D. C., The Utilization of Electrochemical Reactions and Electrochemically Derived Products in Organic Synthesis, Department of Chemistry (J. S. Swenton), 1 September 1980 through 31 August 1981. (Project 762305 - Continuation)

\$40,000.00 - National Science Foundation, Washington, D. C., Extension of Complex Coordinate and Complex Basis Function Techniques to Molecular Systems: Resonances and Photoionization, Department of Chemistry (C. W. McCurdy, Jr.), 1 November 1980 through 31 October 1981. (Project 761834 - Continuation)

\$31,653.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Analysis of Geos-3 Radar Altimeter Data for Anomaly and Undulation Definition, Department of Geodetic Science (R. H. Rapp), 1 July 1980 through 30 June 1981. (Project 762303 - New)

\$30,928.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Adjustment and Impact of Recent Immigrants, Department of Sociology (W. L. Li), 1 August 1980 through 31 July 1981. (Project 762317 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$30,075.00 - National Science Foundation, Washington, D. C., Palynology and Paleobotany of Mesozoic Rocks of the Antarctic Peninsula Area and Southern South America, Institute of Polar Studies (D. H. Elliot), 1 July 1980 through 31 December 1981. (Project 761693 - Continuation)

\$29,970.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Associated Health Professions, Hyattsville, Maryland, Computer Simulation of Clinical Experience, School of Allied Medical Professions (R. J. Atwell and M. R. Schiller), 1 July 1980 through 30 June 1981. (Project 761394 - Continuation)

\$29,040.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, Screen Prospective TCM Replacement for Amoebicidal Properties, Department of Civil Engineering (O. Sproul and A. Rubin), 17 July 1980 through 25 October 1980. (Project 760946 - Continuation)

\$27,748.00 - National Science Foundation, Washington, D. C., EEA, A Differentiation Enhancing Factor in Acanthamoeba: Characterization, Synthesis, and Fate, Department of Microbiology (T. J. Byers), 1 August 1980 through 31 July 1981. (Project 762309 - New)

\$25,100.00 - National Science Foundation, Washington, D. C., Application of Revised MK Spectral Types to Groups of Late-Type Stars, Department of Astronomy (P. C. Keenan), 1 July 1980 through 30 June 1982. (Project 762291 - Continuation)

\$20,033.00 - National Science Foundation, Washington, D. C., Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 1 July 1980 through 30 June 1981. (Project 762313 - Continuation)

\$19,040.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Effects of Otoconial Deprivation on Gravity Receptors, Department of Otolaryngology (D. J. Lim and D. R. Trune), 1 August 1980 through 31 July 1981. (Project 761485 - Continuation)

\$17,914.00 - National Science Foundation, Washington, D. C., Phase Retrieval, Department of Mathematics (J. M. Rosenblatt), 1 July 1980 through 30 June 1982. (Project 762290 - New)

\$12,057.00 - National Science Foundation, Washington, D. C., Some Aspects of Classification and Representation of Integral Quadratic Forms, Department of Mathematics (J. S. Hsia), 1 July 1980 through 30 June 1981. (Project 762288 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$11,346.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Division of Associated Health Professions, Hyattsville, Maryland, Medical Technology - Teacher Preparation (M.S.), School of Allied Medical Professions (D. C. Broski), 1 July 1980 through 30 June 1981. (Project 761228 - Continuation)

\$10,000.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Studies on the Syntheses of Boron Hydride Systems, Department of Chemistry (S. Shore), 15 July 1980 through 15 October 1980. (Project 761119 - Continuation)

\$10,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of a Vaccine Against the Lethal Exotoxin of *Pseudomonas Aeruginosa*, Department of Microbiology (N. R. Baker), 1 June 1980 through 31 May 1981. (Project 761141 - Continuation)

\$9,990.21 - Department of Labor, National Commission on Unemployment Compensation, Roslyn, Virginia, Unemployment Insurance and the NLS, Academic Faculty of Labor and Human Resources (M. E. Borus and S. M. Hills), 1 March 1979 through 31 May 1981. (Project 762295 - New)

\$9,090.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Research Support Branch, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (H. G. Cramblett), 1 April 1980 through 31 March 1981. (Project 761078 - Continuation)

\$8,200.00 - National Science Foundation, Washington, D. C., Matroids and Graphs, Department of Mathematics (T. Zaslavsky), 1 July 1980 through 30 June 1981. (Project 762289 - New)

\$7,920.00 - National Science Foundation, Washington, D. C., Inverse Spectral Theory and Concrete Aspects of Periodic Solitons, Department of Mathematics (M. G. Forest), 1 July 1980 through 30 June 1981. (Project 762293 - New)

\$7,688.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Graduate School - Administration (J. B. LaPidus), 1 April 1980 through 31 March 1981. (Project 764748 - Continuation)

\$5,000.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Simulation Studies for Development of Truck Braking Standards, Department of Mechanical Engineering (K. Waldron and G. L. Kinzel), 1 March 1980 through 28 February 1981. (Project 762085 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$4,046.00 - National Science Foundation, Washington, D. C., Symposium on Fundamentals of Friction and Wear of Materials, Pittsburgh, Pennsylvania, Department of Metallurgical Engineering (D. A. Rigney) 15 July 1980 through 30 June 1981. (Project 762279 - New)

\$2,805.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Factors Modifying Blood Platelet Function in Diabetics, Department of Physiological Chemistry (H. W. Sprecher), 1 July 1980 through 31 March 1981. (Project 760745 - Continuation)

\$2,792.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1980 through 31 March 1981. (Project 760661 - Continuation)

\$2,758.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine (R. A. Wright), 1 April 1980 through 31 March 1981. (Project 762776 - Continuation)

\$2,312.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Associated Health Professions, Hyattsville, Maryland, Career Mobility in Medical Record Administration, School of Allied Medical Professions (R. J. Atwell and M. M. Pariser), 1 July 1980 through 30 June 1981. (Project 761395 - Continuation)

\$551.00 - Department of Health and Human Services, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, Division of Biomedical and Behavioral Sciences, Rockville, Maryland, Pathomechanism of Temperature-Chemical Carcinogenesis, Department of Physiology (H. S. Weiss), 15 July 1980 through 15 September 1980. (Project 761135 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$4,709,064.21**

**State of Ohio Research Contracts/Grants**

\$72,721.00 - State of Ohio, Board of Regents, Columbus, Ohio, Coordination of Allied Health Education Programs, School of Allied Medical Professions (S. C. Upp and D. C. Broski), 1 July 1980 through 30 June 1981. (Project 761399 - Continuation)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$52,433.00 - Ohio Youth Commission, Columbus, Ohio, Intern Training for Teaching Academic and Social Skills to Special Education Students, Academic Faculty of Exceptional Children (D. S. Hill), 1 July 1980 through 30 June 1981. (Project 762319 - Continuation)

\$51,493.14 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Provision of Technical Assistance to the Ohio Occupational Information Coordinating Committee, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (S. C. Kelley), 1 July 1980 through 30 June 1981. (Project 762301 - Continuation)

\$50,000.00 - Ohio Inter-University Energy Research Council, Columbus, Ohio, A Proposal to Develop an Energy Information System for Ohio, Department of Economics (W. L. L'Esperance, III), 1 July 1980 through 30 June 1981. (Project 762272 - New)

\$39,664.00 - Ohio Inter-University Energy Research Council, Columbus, Ohio, An Inventory and Integrated Assessment of Ohio Renewable Energy Resources, Program for Energy Research Education and Public Service, Graduate School (P. S. Hoover), 1 July 1980 through 30 June 1981. (Project 762274 - New)

\$34,937.00 - Ohio Inter-University Energy Research Council, Columbus, Ohio, Variables in Residential Energy Management: Food Preparation Practices, Appliances, and Energy Consumption, Department of Home Management and Housing (F. E. Hunt), 1 July 1980 through 30 June 1981. (Project 762306 - New)

\$26,395.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Physical Medicine (R. Weber), 1 July 1980 through 30 June 1981. (Project 762262 - Continuation)

\$25,739.00 - Ohio Inter-University Energy Research Council, Columbus, Ohio, A Nuclear Radiation Protection Action/Decision Methodology for Public Officials, Department of Mechanical Engineering (R. N. Christensen and W. E. Carey), 1 July 1980 through 30 June 1981. (Project 762283 - New)

\$24,988.00 - Ohio Inter-University Energy Research Council, Columbus, Ohio, Simulation of Innovative Techniques for Optimum Hydraulic Fracturing of Devonian Shale, Department of Engineering Mechanics (S. H. Advani), 1 July 1980 through 30 June 1981. (Project 762307 - New)

\$19,992.00 - Ohio Inter-University Energy Research Council, Columbus, Ohio, Conservation Through Cogeneration and District Heating: Prospects for Ohio, Department of City and Regional Planning (O. Fisch), 1 July 1980 through 30 June 1981. (Project 762277 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$8,364.00 - State of Ohio, Department of Health, Columbus, Ohio, A Study of Rheumatologic Services in Crawford County, School of Allied Medical Professions (D. Broski), 1 July 1980 through 31 December 1980. (Project 762282 - New)

\$4,850.00 - Ohio Arts Council, Columbus, Ohio, Summer Sculpture, College of the Arts - Administration (R. J. Stull), 1 July 1980 through 1 September 1980. (Project 762318 - New)

\$3,395.00 - Ohio Arts Council, Columbus, Ohio, Public Presentations by Photographers, Department of Photography and Cinema (J. R. Green), 1 July 1980 through 30 June 1981. (Project 762320 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 414,971.14

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$694,860.00 - Nigerian Ministry of Education, Bauchi, Nigeria, Intensive Professional Teacher Education Program for Nigerian Teachers, Academic Faculty of Special Services (W. J. Holloway), 1 September 1980 through 31 August 1981. (Project 762314 - New)

\$187,000.00 - World Health Organization, Human Reproduction Unit, Geneva, Switzerland, Evaluation of Active Immunization With Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1980 through 30 June 1981. (Project 760113 - Continuation)

\$124,397.00 - Korean Ministry of Education, Seoul, Korea, Korean Technical Teacher Training Program, Academic Faculty of Industrial Technology (D. G. Lux), 7 July 1980 through 17 September 1980. (Project 762230 - New)

\$107,931.00 - American Academy of Physician Assistants, Arlington, Virginia, Self-Assessment and Self-Paced Learning Modules for Physicians Assistants, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 July 1980 through 24 February 1982. (Project 762258 - New)

\$69,205.00 - University of Michigan, Office of Contract Administration, Ann Arbor, Michigan, Genes on Mitochondrial DNA, Department of Genetics (P. S. Perlman), 1 July 1980 through 30 June 1981. (Project 761294 - Continuation)

\$53,455.00 - World Health Organization, Special Programs for Research and Training in Tropical Diseases, Geneva, Switzerland, *In Vitro* Culture of Sporogonic Stages of *Plasmodium Falciparum*, Department of Entomology (W. F. Hink), 1 June 1980 through 31 May 1981. (Project 761658 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

**\$36,255.00** - VITA Treatment Center, Columbus, Ohio, Counseling Internship Program, Academic Faculty of Special Services (D. J. Tosi), 1 July 1980 through 30 June 1981. (Project 762310 - New)

**\$33,106.00** - National Foundation for Ileitis and Colitis, Inc., New York, New York, Microbiological Studies in Crohn's Disease, Department of Medical Microbiology (V. Hamparian, A. Ottolenghi, and J. Hughes), 1 July 1980 through 30 June 1981. (Project 762286 - New)

**\$24,692.00** - City of Columbus, Division of Fire, Columbus, Ohio, City of Columbus Fire Project, College of Administrative Science, Division of Continuing Education (J. Stanley), 1 July 1980 through 31 December 1980. (Project 762284 - Continuation)

**\$22,800.00** - Atlantic Richfield Foundation, Los Angeles, California, A Seminar on Creativity, Invention and Technology, School of Public Administration (S. Lundstedt), 1 June 1980 through 31 July 1981. (Project 762308 - New)

**\$18,150.00** - American Heart Association, Inc., Dallas, Texas, Central Neuronal Control of Peripheral Circulation, Department of Physiology (J. A. Boulant), 1 September 1980 through 31 August 1981. (Project 761185 - Continuation)

**\$11,903.00** - University of California, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Productions, International Programs in Agriculture (M. G. Smith) and Department of Agronomy (R. W. Van Keuren), 1 June 1979 through 31 May 1980. (Project 761949 - Continuation)

**\$11,000.00** - World Health Organization, Special Programs for Research and Training in Tropical Diseases, Geneva, Switzerland, Establishment of an Integrated System for the Characterization of Microsporidian Parasites, Department of Entomology (J. D. Briggs), 1 July 1980 through 30 June 1981. (Project 760976 - Continuation)

**\$10,133.00** - The Columbus Foundation, Columbus, Ohio, Follow-up: BACKWARDS, Telecommunications Center (M. Mottler), 1 August 1980 through 31 December 1980. (Project 762302 - New)

**\$6,206.00** - Anaconda Copper Company, Denver, Colorado, Evaluating the Use of Zeolite in Poultry Diets, Department of Poultry Science (D. Latshaw), 15 February 1980 through 15 September 1980. (Project 762026 - Continuation)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Immunotherapy of Spontaneous Murine Melanoma by Delayed Hypersensitivity to Idiotypic Determinants of Tumor-Specific Monoclonal (Hybridoma) Antibody, Department of Microbiology (B. S. Zwillig and Z. L. Herd), 1 July 1980 through 30 June 1981. (Project 762296 - New)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Short-Term *In Vivo* Cancer Detection Test, Department of Physiological Chemistry (D. E. Schumm), 1 July 1980 through 30 June 1981. (Project 762276 - New)

\$5,600.00 - Otterbein College, Westerville, Ohio, Assistance With Administration, Counseling, Programmatic and Training Services, Academic Faculties of Special Services and Educational Administration (R. F. Rodgers), 24 August 1980 through 31 May 1981. (Project 762297 - New)

\$5,151.00 - Southwest Oncology Group, Kansas City, Kansas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Medicine (H. E. Wilson), 30 June 1980 through 31 December 1980. (Project 760617 - Continuation)

\$5,000.00 - The American University in Cairo, Social Research Center, New York, New York, Collaborative Research With the American University Social Science Research Center in Cairo, Egypt, Mershon Center for Education in National Security (S. Z. Nagi), 1 September 1980 through 31 August 1981. (Project 760444 - Continuation)

\$5,000.00 - The Asia Society, Inc., New York, New York, "Outreach" Program of Information Diffusion, Speaker Series, Film Series and Other School-Community-Oriented Activities Relating to China, Office of Academic Affairs, Center for International Studies (D. M. Lampton) and Department of Political Science (B. Richardson), 1 April 1980 through 31 March 1981. (Project 761026 - Continuation)

\$4,650.00 - Otterbein College, Westerville, Ohio, Assistance With Administration, Programming and Policy Analysis, Academic Faculties of Special Services and Educational Administration (R. F. Rodgers), 3 September 1980 through 31 May 1981. (Project 762300 - New)

\$4,579.00 - Oregon State University, Corvallis, Oregon, Socioeconomic Analysis of Repository Siting, Department of Agricultural Economics and Rural Sociology (T. L. Napier), 17 July 1980 through 30 September 1981. (Project 762312 - New)

\$4,560.00 - Capital University, Columbus, Ohio, Assistance With Administration, Counseling, Programmatic and Training Services, Academic Faculties of Special Services and Educational Administration (R. F. Rodgers), 1 August 1980 through 31 May 1981. (Project 762299 - New)

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$3,600.00 - The National Reye's Syndrome Foundation, Inc., Bryan, Ohio, Chemical Markers of Reye's Syndrome, Department of Pharmacology (B. Andresen), 1 July 1980 through 30 June 1981. (Project 762287 - New)

\$3,339.00 - Midlands Technical College, Columbia, South Carolina, Postsecondary Alliance - Evaluation Program Option A - Clearinghouse, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1981. (Project 762195 - Continuation)

\$3,339.00 - Trident Technical College, Charleston, South Carolina, Postsecondary Alliance - Evaluation Program Option A - Clearinghouse, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1981. (Project 762195 - Continuation)

\$3,156.00 - Ohio Dominican College, Columbus, Ohio, Assistance With Administration, Counseling, Programmatic and Training Services, Academic Faculties of Special Services and Educational Administration (R. F. Rodgers), 25 August 1980 through 31 May 1981. (Project 762316 - New)

\$3,000.00 - The General Electric Foundation, Bridgeport, Connecticut, Educators in Industry Workshop, Academic Faculty of Special Services (J. V. Wigtil), 1 June 1980 through 30 September 1980. (Project 762273 - New)

\$2,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Development of Glioma Cell Clones, Department of Pathology (V. A. Liepkalns), 1 July 1980 through 30 June 1981. (Project 762294 - New)

\$1,350.00 - The Burroughs Wellcome Fund, Research Triangle Park, North Carolina, Research and Collaboration at University of Dundee Medical Sciences Institute, Scotland, Department of Food Science and Nutrition (K. L. Roehrig), 1 July 1980 through 31 August 1980. (Project 762270 - New)

\$1,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Myocardial Calcium Regulation - Adaptation to Chronic Exercise, Department of Physiological Chemistry (J. A. Merola and A. C. Gillespie), 1 July 1980 through 31 July 1980. (Project 761508 - Continuation)

\$262.00 - Morehead State University, Morehead, Kentucky, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 15 June 1980 through 31 July 1980. (Project 768031 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,478,679.00**

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

State Sponsored Research and Development

\$2,485.00 - State of Ohio, Department of Energy, Columbus, Ohio, Service Trial of Waste Vegetable Oil as a Diesel Fuel Supplement, Department of Mechanical Engineering, April 1, 1980 through September 30, 1980. (EES586/529066, Extension 2)

Industrial and Other Sponsored Research and Development

\$204,790.00 - International Engineering Company, Inc., San Francisco, California, A Study of Radio Frequency Interference from HVDC Converter Stations, Department of Electrical Engineering, June 23, 1980 through September 30, 1982. (EES607/529087)

\$34,192.00 - Brown and Root, Houston, Texas, Improvements in Analytical Techniques for the Static and Dynamic Analysis of Offshore Pipelines Which Are Under Construction, Department of Mechanical Engineering, June 1, 1980 through September 30, 1981. (EES608/529088)

\$25,000.00 - Engineering Council for Professional Development, New York, New York, Research Apprenticeship for Disadvantaged High Schoolers (RADHS), College of Engineering, June 1, 1980 through December 31, 1980. (EES015/529312)

\$15,000.00 - American Iron and Steel Institute, Washington, D. C., Columns Braced in Nonprincipal Directions, Department of Civil Engineering, May 1, 1980 through April 30, 1981. (EES598/529078, Extension 1)

\$15,000.00 - Bethlehem Steel Research Center, Bethlehem, Pennsylvania, Kinematics of Iron Oxide Reduction in Coal, Department of Metallurgical Engineering, July 1, 1980 through June 30, 1981. (EES609/529089)

\$402,005.00 - forty-nine sponsors for 62 development projects under the direction of 15 departments.

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT \$695,987.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$100,000.00 - Battelle Memorial Institute Foundation, Columbus, Ohio, for Friends of WOSU Endowment Fund.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$70,000.00 - General Motors Foundation, Inc., Detroit, Michigan--\$13,000.00 for Capital Campaign-Mechanical Engineering; \$11,000.00 for Capital Campaign-Electrical Engineering; \$8,000.00 for Capital Campaign-Industrial and Systems Engineering; \$7,000.00 for Capital Campaign-Chemical Engineering; \$6,000.00 for College of Engineering Special Fund; \$6,000.00 for Engineering Mechanics Chairman's Discretionary Fund; \$6,000.00 for Capital Campaign-Welding Engineering; \$5,000.00 for Capital Campaign-Engineering Graphics; \$5,000.00 for Capital Campaign-Metallurgical Engineering; and \$3,000.00 for Affirmative Action Program in Engineering.

\$67,750.00 - Arthur E. Shepard, Columbus, Ohio (2,000 shares Alexander & Alexander Services, Inc.), for Arthur E. Shepard Designated Professorship in Insurance.

\$50,000.00 - The Spencer Foundation, Chicago, Illinois, for Spencer Educational Scholars Fund.

\$42,566.00 - Eli Lilly Company, Indianapolis, Indiana--\$30,566.00 for Cardiovascular Research and \$12,000.00 for Infectious Disease Research Fund.

\$28,698.85 - Louise Orr Scott Foundation, Columbus, Ohio--\$21,524.14 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$7,174.71 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$22,919.00 - E. I. duPont de Nemours & Co., Wilmington, Delaware, for Clinical Pharmacology Fund.

\$22,000.00 - Mrs. Florence Melton, Columbus, Ohio, for Florence Melton Discovery Group Project.

\$21,991.53 - University Eye Surgeons, Inc., Columbus, Ohio (given in the name of Richard H. Keates, M.D.), for Eye Bank Fund.

\$21,945.44 - American Hoechst Corporation, Bridgewater, New Jersey, for Infectious Disease Research Fund.

\$20,852.19 - The Grand Chapter of Ohio Order of the Eastern Star, Danville, Ohio--\$13,496.93 for Cancer Research Fund and \$7,355.26 for Cardiovascular Research.

\$20,000.00 - The Bremer Foundation, Youngstown, Ohio, for Bremer Foundation Fund.

\$17,281.76 - Retinal Consultants, Inc., Columbus, Ohio--\$14,458.34 for Retina Research Fund and \$2,823.42 for Ophthalmology Photography Fund.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$16,250.00 - Owens-Corning Fiberglas Corp., Toledo, Ohio--\$10,000.00 for WOSU Support Fund; \$6,000.00 for Owens-Corning Fiberglas Engineering Scholarship Fund; and \$250.00 for College of Engineering Special Fund.

\$14,024.70 - Systems Associates, Columbus, Ohio, for Cardiology Support Fund.

\$13,500.00 - Grange Mutual Casualty Co., Columbus, Ohio, for WOSU Support Fund.

\$13,100.00 - The Edward Orton, Jr., Ceramic Foundation, Columbus, Ohio, for John L. Carruthers Fellowship in Ceramic Engineering.

\$12,500.00 - Landmark, Inc., Columbus, Ohio (given in the names of Hughes, Wollenslegel, Wisenstein, and Casey), for Landmark-OARDC.

\$12,364.00 - IBM, Tarrytown, New York, for Department of Physics IBM Minority Fellowship Fund.

\$11,000.00 - Dr. Ulrich Saxer, Columbus, Ohio, for Veterinary Surgery Research.

\$10,000.00 - Bethlehem Steel Corporation, Bethlehem, Pennsylvania, for Bethlehem Steel-Senior Projects.

\$10,000.00 - Paul Ecke Poinsettias, Encinitas, California (given in the name of Elisabeth Ecke), for D. C. Kiplinger Chair in Floriculture.

\$10,000.00 - Ford Motor Company Fund, Dearborn, Michigan, for Advanced Design Methods Laboratory-Mechanical Engineering.

\$10,000.00 - Oncology Immunology Lab, Columbus, Ohio (given in the name of John P. Minton), for Cancer Research Fund.

\$9,731.25 - Mrs. Beatrice Newman, Columbus, Ohio (300 shares of Standard Shares, Inc.), for M. S. Newman Professorship of Chemistry.

\$8,527.94 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$7,910.00 - The Peat, Marwick, Mitchell Foundation, New York, New York, for Peat, Marwick, Mitchell Discretionary Fund.

\$7,500.00 - Florence E. K. Hurd Fund of the Columbus Foundation, Columbus, Ohio--\$3,975.00 for Professional Studio Training in the Visual Arts and \$3,525.00 for Professional Training in the Visual Arts Scholarship Fund.



September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$6,960.00 - The Procter & Gamble Co., Cincinnati, Ohio, for Procter & Gamble Fellowship Fund in Chemical Engineering.

\$6,697.75 - Trust Under the Will of Carl M. Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$6,240.51 - Citizens Loan & Building Company, Lima, Ohio, for Diabetes Research Fund.

\$6,040.00 - Nationwide Insurance Co., Columbus, Ohio, for WOSU Support Fund.

\$6,000.00 - Ohio Nurserymen's Assoc., Inc., Columbus, Ohio, for Ohio Florists Association Special Fund.

\$6,000.00 - Mrs. Dorothy V. Steiner, Clearwater, Florida, for Loren F. Steiner Entomology Memorial Fund.

\$5,275.00 - Merrill-National Laboratories, Cincinnati, Ohio, for Gastrointestinal Cancer Research Fund.

\$5,000.00 - Society of American Florists, Edwardsville, Illinois, for Ohio Florists Association Special Fund.

\$5,000.00 - Battelle Memorial Institute, Columbus, Ohio, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - McDonald's, Columbus, Ohio (given in the names of Thomas G. Fewster and Victor Lucas)--\$2,500.00 for Ohio 4-H Foundation Support Fund and \$2,500.00 for Ohio 4-H Foundation Fund.

\$5,000.00 - Mobil Foundation, Inc., Paulsboro, New Jersey, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - Dr. M. Henry Speck, Youngstown, Ohio, for Drs. M. Henry and Myron E. Speck Fund.

\$5,000.00 - Uniroyal, Inc., Naugatuck, Connecticut, for Endowed Professorship in Plant Protection.

**Gift-in-Kind**

\$57,800.00 - Nicolet Scientific Corp., Northvale, New Jersey, equipment for Department of Mechanical Engineering.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Kathryn M. Wildermuth Memorial Scholarship Fund**

The Kathryn M. Wildermuth Memorial Scholarship Fund was established September 5, 1980, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Mrs. Kathryn M. Wildermuth of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students in the upper 10 per cent of their class and who are deserving of scholarship aid; the selection of the recipient(s) to be made upon the recommendation of the University Committee on Student Financial Aid.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the appropriate administrative official of the University who is then directly responsible for scholarships.

**The David and Phyllis Beck Scholarship Fund**

The David and Phyllis Beck Scholarship Fund was established September 5, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from David and Phyllis Beck, Dayton, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used to provide undergraduate and graduate scholarships in the College of Agriculture and Home Economics, with preference given to students of the Department of Animal Science from Montgomery and Preble Counties, Ohio. Student recipients will be determined by a scholarship selection committee composed of the Dean of the College of Agriculture and Home Economics, the Department Chairman of Animal Science and the County Extension Agents of Montgomery and Preble Counties. Requisitions for scholarships are to be approved by the Dean of the College of Agriculture and Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics or from the appropriate administrative official of the University who is then responsible for study related to the field of agriculture.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Hans Willenegger Residency in Veterinary Surgery**

The Hans Willenegger Residency in Veterinary Surgery was established September 5, 1980, by The Ohio State University Board of Trustees with gifts to The Ohio State University Development Fund from Western European nationals and members of the Association for Osteosynthesis (AO) International in recognition of the work and ideals of Professor Doctor Hans Willenegger.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal shall be used as a stipend to support a residency position in veterinary surgery. The stipend will be comparable with other resident stipends within the College of Veterinary Medicine. First preference must be given to veterinarians who are Western European nationals who have met all criteria for admission and immigration. The names and qualifications of candidates will be screened by a committee of AO International representatives and then presented to the College of Veterinary Medicine Graduate Resident Committee. The chairperson of this committee will forward a specific recommendation to the Dean of the College of Veterinary Medicine, who will name the recipient.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the study of veterinary medical education.

**The Michael Swink Memorial Scholarships in Theatre**

The Michael Swink Memorial Scholarships in Theatre was established September 5, 1980, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund, from the family and friends of Michael Swink, B.A. '75, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students who have demonstrated exceptional talent and ability in theatre in the area of stage lighting, sound, and/or stage design. The selection of the recipient is to be made upon the recommendation of the Chairman of the Department of Theatre and the Dean of the College of the Arts.

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Michael Swink Memorial Scholarships in Theatre (contd)**

Should the need for this scholarship cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for theatre education.

**The College of Medicine Class of 1922 Memorial Scholarship Fund**

The College of Medicine Class of 1922 Memorial Scholarship Fund was established September 5, 1980, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Mabel Ensworth Goudge, M.D. '22, of Wolfville, Nova Scotia.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a scholarship for a second-year medical student with selection of the recipient to be made upon the recommendation of the University Committee on Student Financial Aid, in cooperation with the Dean of the College of Medicine.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the appropriate administrative official of the University who is then directly responsible for medical scholarships.

**Morgan Memorial Scholarship Fund**

The Morgan Memorial Scholarship Fund was established September 5, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Morgan Lumber Sales Company and other friends in tribute to its founder, Walter E. Morgan.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income shall be added to the principal until the fund reaches \$5,000. At that time, the annual income shall be used to provide scholarship support to a student pursuing a

September 5, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Morgan Memorial Scholarship Fund (contd)**

degree in the School of Natural Resources, Division of Forestry. The student must demonstrate high academic achievement as well as financial need. The selection of the student shall be made by the Director of the School of Natural Resources in conjunction with the Director of Student Financial Aids. On an annual basis, the Director of Financial Aids will provide the Morgan Lumber Sales Company with the name of the student who received the award.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for scholarships.

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**EMPLOYMENT OF ARCHITECT/ENGINEER**

**ENERGY MODIFICATIONS TO BUILDINGS--PHASE V (PROJECT "A")**

Resolution No. 81-27

*Synopsis: Employment of engineer to conduct study for project, Energy Modifications to Buildings--Phase V (Project "A"), is being proposed.*

WHEREAS the present energy availability necessitates the continuation of the ongoing energy conservation modifications at The Ohio State University; and

WHEREAS the completed energy programs have resulted in substantial savings for The Ohio State University, and the Energy Management Committee has approved programs for modification of the existing outside air and recirculation air systems and associated controls in Founders' Hall on the Newark Campus for an annual savings of approximately \$25,000 with a one year and seven month payback; modification of the existing centrifugal chiller from natural gas to electric drive at an estimated annual savings of \$21,812 with a two year and four month payback in the Fawcett Center for Tomorrow; and replacement of the existing 316 ton absorption chiller with electric centrifugal chiller in the Health Sciences Library with an estimated annual savings of \$25,000 with a three year and six month payback; and

WHEREAS \$199,700 has been provided from Contract Repair Funds:

NOW THEREFORE

BE IT RESOLVED, That the firm of Philip E. Absi and Associates of Columbus, Ohio, be employed for engineering services, including working drawings, specifications, estimates of costs, and all necessary bidding documents and supervision of construction; and

September 5, 1980 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER (contd)**

**ENERGY MODIFICATIONS TO BUILDINGS--PHASE V (PROJECT "A") (contd)**

BE IT FURTHER RESOLVED, That the fee for these services be negotiated between the firm and the Department of Administrative Services, Division of Public Works, with the total project cost estimated to be \$199,700.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**LEASE - GREENTREE ENTERPRISES, INC.**

Resolution No. 81-28

*Synopsis: Lease of 1,600 square feet of floor space in the Ohio Union for a food service operation is being presented for approval.*

WHEREAS Pizza Hut previously occupied 1,600 square feet of floor space in the Ohio Union for a food service operation; and

WHEREAS the Pizza Hut food service operation was terminated on August 10, 1980; and

WHEREAS there is currently no need for this space to be used for the academic programs of the University; and

WHEREAS Greentree Enterprises, Inc., submitted a bid to The Ohio State University Purchasing Department for a food service operation which would replace the terminated Pizza Hut food service operation offering to pay rent based on a percentage of gross sales:

NOW THEREFORE

BE IT RESOLVED, That the Secretary of the Board of Trustees be authorized to execute a lease with Greentree Enterprises, Inc., for the lease of 1,600 square feet of floor space in the Ohio Union for a lease term of September 8, 1980 to June 30, 1985, with the rent for said term being based on the following percentages of gross sales: 12 per cent, except that 13 per cent shall be paid on the sales of beer and wine; in the event gross sales exceed \$250,000 in any lease year, the percentage rent would be 13 per cent and 14 per cent, respectively, on any such excess.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 5, 1980 meeting, Board of Trustees

**AMENDMENTS TO UNIVERSITY HOSPITALS BOARD BYLAWS**

Resolution No. 81-29

*Synopsis: Amendments to University Hospitals Board Bylaws is proposed.*

WHEREAS pursuant to rule 3335-103-01 of the Administrative Code, the Board of Trustees is authorized to amend the University Hospitals Board Bylaws; and

WHEREAS after a careful study of the University Hospitals Board Bylaws, as approved by the Board of Trustees on May 2, 1980, certain amendments are recommended; and

WHEREAS paragraph (B) of rule 3335-101-03, Medical Staff Organization, is amended to be consistent with rule 3335-97-03 in which the Medical Staff should recommend to the Joint Conference Committee of the Board, appointments or re-appointments of applicants to the Medical Staff; and

WHEREAS whenever the term "Hospital Clinical Service" appears in paragraph (B) of rule 3335-101-06, and in rule 3335-101-07, the terminology is amended to read "Hospital Clinical Departments" in order to make it consistent with the Medical Staff Bylaws; and

WHEREAS the composition of committees is changed from three to four members in rules 3335-97-03, 3335-97-04, and 3335-97-05:

NOW THEREFORE

BE IT RESOLVED, That the amendments as recommended by the University Hospitals Board be approved as they are printed in the accompanying pages.

Upon motion of Dr. Jacob, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

3335-97-03 Joint conference committee.

(A) Purpose. The joint conference committee shall be a forum for discussion of medical policy and practice in the university hospitals and shall advise the board concerning hospitals patient care goals, policies, standards of care, and general operating problems. All recommendations of the medical staff to the board shall first be sent to the joint conference committee for its consideration and recommendation before being acted upon by the board. The committee shall perform such other duties as shall be given it by the board and shall also have the following specific duties:

- (1) Accreditation. The committee shall be responsible for advising the hospitals board on all matters relevant to maintenance of joint commission on accreditation of hospitals' accreditation. The committee shall monitor hospitals operation to identify areas of potential non-compliance with joint commission on accreditation of hospitals' standards and shall make recommendations to the hospitals board and to the medical staff for appropriate action.

**AMENDMENTS TO UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

- (2) Disaster planning. The committee shall be responsible for the development and maintenance of methods for the protection and care of hospitals patients and others at the time of internal and external disaster.
  - (3) Medical staff appointments. The committee shall make recommendations to the board on all applications for appointment or reappointment to the medical staff of the hospitals, and on all matters dealing with suspension or revocation of privileges of members of the medical staff, as may be provided under the bylaws of the medical staff.
  - (4) Medical staff bylaws, rules, and regulations. The committee shall recommend to the hospitals board all bylaws, rules, and regulations governing the activities of the medical staff, or amendments thereto, that it may consider necessary to assure proper patient care.
  - (5) Medical staff liaison. The committee shall advise the hospitals board on any communications, requests, or recommendations presented by the medical staff through its duly authorized representatives. The committee shall receive and consider all reports on the work of the medical staff organization and make such recommendations to the board as it considers to be in the best interest of the hospitals. The committee shall also receive and consider issues that may arise in the planning and operation of the hospitals that affect the relationship of the board, hospitals management, and medical staff organization.
- (B) Composition. The hospitals board shall be represented on the committee by the vice chairman of the board, who shall serve as chairman of this committee, and four other members of the board appointed annually by the board chairman. Other members of the joint conference committee will be as follows: the director of university hospitals, the medical director of the hospitals, the associate administrator of nursing services, the chief of staff or person in equivalent position, and two additional members of the medical staff selected by the organized medical staff. The director of university hospitals will serve as secretary of the committee.
- (C) Meetings. The joint conference committee shall meet on call by the committee chairman and shall advise the board members and medical staff of its activities.

**3335-97-04 Finance committee.**

- (A) Purpose. The finance committee shall be responsible for advising the board on hospitals financial matters. The committee will review the annual operating budget, monthly financial reports, and any proposals for adjusting hospital charges for services before they are submitted to the board for recommendation to the university administration and the university board of trustees.
- (B) Composition. The finance committee shall consist of four board members appointed annually by the chairman of the board, one of whom shall be the chairman of this



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**AMENDMENTS TO UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

committee; the Ohio state university vice president for health sciences or designee; the Ohio state university vice president for finance and planning or designee; the Ohio state university vice president for personnel services or designee; the hospitals medical director or designee; and the chief of medical staff or designee.

- (C) Meetings. The committee shall meet at the call of the chairman as often as is necessary to perform its duties.

**3335-97-05 Hospital facilities committee.**

- (A) Purpose. The committee shall monitor the condition of the hospitals facilities and shall have the responsibility for planning and recommending additions, alterations, repair, and maintenance.

- (B) Composition. The committee shall consist of four board members, appointed annually by the chairman of the board, one of whom shall serve as chairman of the committee; the Ohio state university vice president for health sciences or designee; the Ohio state university vice president for finance and planning or designee; the Ohio state university vice president for business and administration or designee; and the medical director of the hospitals or designee.

- (C) Meetings. The committee shall meet at the call of the chairman as often as is necessary to perform its duties.

**3335-97-06 Special committees.**

Special or ad hoc committees of the board may be established by the board.

**Chapter 3335-99**

**RELATIONSHIPS OF HOSPITALS TO HEALTH SCIENCES,  
ACADEMIC, AND RESEARCH PROGRAMS**

**3335-99-01 Relationships of hospitals to health sciences,  
academic, and research programs.**

The health sciences colleges of the university carry out a significant portion of their educational and research activity in university hospitals. Although the board has not been delegated specific responsibilities for academic programs, it shall lend its best efforts to assure that the programs of the health sciences colleges are effectively supported in collaboration with the hospitals patient care programs. The vice president for health sciences shall be charged with maintaining an effective liaison between the health sciences colleges and the hospitals board to assure excellence in both academic and patient care programs.

**AMENDMENTS TO UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

Chapter 3335-101

MEDICAL STAFF

3335-101-01 General.

The hospitals board holds the medical staff organization accountable to the board for establishing and maintaining standards of medical care. The board will review and approve the medical staff bylaws before they are submitted to the Ohio state university board of trustees.

3335-101-02 Medical staff.

For purposes of Chapter 3335-101 of the Administrative Code, the words "medical staff" shall include all physicians and dentists who are authorized to attend patients in the hospital or in any other medical care activity administered by the hospitals, and may include such other professionals as the medical staff bylaws designate.

3335-101-03 Medical staff organization.

The board shall approve and authorize the organization of the medical staff to discharge those duties and responsibilities assigned to it by the board and specifically to accomplish the following purposes, among others:

- (A) To monitor the quality of medical care in the hospital and make recommendations to the board to ensure that all patients--admitted to or treated at any of the facilities, departments, or services of the hospitals--receive high quality medical care.
- (B) To recommend to the joint conference committee of the board the appointment or reappointment of an applicant to the medical staff of the hospitals, the clinical privileges such applicant shall enjoy in the hospitals, and appropriate action that may be necessary in connection with any member of the medical staff.
- (C) To represent the medical staff of the hospitals and to provide the means whereby issues concerning the medical staff and the hospitals are discussed within the medical staff organization and among representatives of the medical staff, the hospitals board, and the hospitals administration.
- (D) To establish specific rules and regulations governing actions of members of the medical staff.

3335-101-04 Medical staff bylaws.

The medical staff organization shall recommend to the board medical staff bylaws, rules, and regulations that set forth the medical staff organization and the governance process for maintaining such bylaws, rules, and regulations to accomplish the purposes set forth in rule 3335-101-03 of the Administrative Code. When such bylaws, rules, and

**AMENDMENTS TO UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

regulations are adopted by the board and the Ohio state university board of trustees, they shall become effective and become part of the bylaws, rules, and regulations of the hospitals. The medical staff organization shall also be responsible for reviewing these bylaws, rules, and regulations periodically and recommending appropriate revisions to the board.

**3335-101-05 Appointment to the medical staff and assignment of clinical privileges.**

Upon recommendation of the medical staff and in accordance with the medical staff bylaws, the board may appoint faculty members who are graduates of recognized medical and dental schools, meeting the qualifications prescribed in the medical staff bylaws, to membership on the medical staff of the hospitals and shall grant clinical privileges to such persons, subject to ratification of the Ohio state university board of trustees. Appointment to the medical staff carries with it full responsibility for the treatment of individual hospitals patients subject to such limitations as may be imposed by the board or the bylaws, rules, and regulations of the medical staff. Appointments to the medical staff shall be for one year, renewable each year in accordance with the reappointment procedure set forth in the medical staff bylaws. Reappointments to the medical staff will be made annually by the board, and shall be for one year.

**3335-101-06 Medical staff administrative committee.**

(A) Purpose. The medical staff administrative committee shall establish and maintain means of accountability to the board, in accordance with the medical staff bylaws. It shall concern itself primarily with the quality of medical care within the hospitals. It shall receive and act upon all medical staff committee reports and make recommendations regarding medical staff status and privileges to the board. Other specific duties of the medical staff administrative committee are identified in the medical staff bylaws.

(B) Composition. The medical board of the medical staff shall be known as the medical staff administrative committee which shall be composed of the chief of staff, the chief of staff-elect, the chiefs of clinical departments, three at-large members elected by the medical staff, the medical director, and the director of hospitals. The medical director, who is appointed by the dean of the college of medicine and the vice president for health sciences subject to approval by the board, shall serve as chairperson of the medical staff administrative committee.

(C) Meetings. The medical staff administrative committee shall meet monthly. Minutes of the meetings shall be provided to all members of the joint conference committee, the dean of the college of medicine, the dean of the college of dentistry, and the deans of other professional colleges whose faculty have appointment on the medical and dental staffs.

**3335-101-07 Hospital clinical departments.**

(A) Appointment of the chief of each clinical department is subject to approval by the board on the recommendation of the dean of the applicable professional

**AMENDMENTS TO UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

school and the vice president for health sciences. All such appointments shall be periodically reviewed by the board. Chiefs of clinical departments vacancies may be filled on an interim basis at any time by action of the dean of the appropriate professional college, after consulting with the board. (In general, the chiefs of clinical departments will be chairmen of corresponding academic departments in the medical college.)

- (B) The board may delegate, through approval of the medical staff bylaws or by appropriate board resolution, to the chiefs of the clinical departments responsibility for maintaining the quality of medical care in their services, and for recommending an applicant's appointment or reappointment to the medical staff of the hospitals and privileges for such an applicant.
- (C) The dean of the college of medicine serves as the chief medical officer of the hospitals and in this capacity is accountable directly to the vice president for health sciences and to the board. In matters relating to medical care in the hospitals, members of the clinical departments of the hospitals are accountable to their clinical chiefs, who are accountable to the medical director, who is accountable to the dean of the college of medicine.

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**EASEMENT - COLUMBIA GAS OF OHIO, INC.**

Resolution No. 81-30

*Synopsis: Easement to Columbia Gas of Ohio, Inc., is proposed.*

WHEREAS the University has received a request from Columbia Gas of Ohio, Inc., for a twelve-inch gas line across State of Ohio (The Ohio State University) lands from the intersection of Case and Sawmill Roads north along the east side of Sawmill Road for a distance of approximately 3,848 feet; and

WHEREAS Columbia Gas of Ohio, Inc., ultimately plans to link this gas line with an already existing gas line located north of Interstate 270 and east of Sawmill Road; and

WHEREAS the University will be permitted to tap into the gas line if the University should need gas service in that area; and

WHEREAS the appropriate University agencies have recommended that said easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to request the Director of Public Works, Department of Administrative

September 5, 1980 meeting, Board of Trustees

**EASEMENT - COLUMBIA GAS OF OHIO, INC. (contd)**

Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easement.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**HOSPITALS SELF-INSURANCE AND INDEMNIFICATION PROGRAM**

Resolution No. 81-31

*Synopsis: Extension of the coverage of the Hospitals Self-Insurance and Indemnification Fund to University Hospitals Board members is proposed.*

WHEREAS the Board of Trustees on December 15, 1976, pursuant to Ohio Revised Code section 2743.02(C), authorized the creation of a funded reserve known as the Hospitals Self-Insurance and Indemnification Fund to secure projected and potential expenses, losses and liabilities; and

WHEREAS under the aforementioned self-insurance program the Board resolved to indemnify and hold harmless the members of the Board of Trustees of The Ohio State University against expense, loss or liability arising out of death or injury to any person as a result of negligence, malpractice or other action or inaction of such Trustees while acting within the scope of their duties as the governing board of The Ohio State University Hospitals; and

WHEREAS the Board of Trustees on November 30, 1979 established a University Hospitals Board to oversee patient care services in University Hospitals; and

WHEREAS the University Hospitals Board was composed of three members of the University Board of Trustees and twelve other persons from the general public appointed by the Board of Trustees in consultation with the President; and

WHEREAS on April 4, 1980 the Board of Trustees nominated and appointed twelve general public members to the University Hospitals Board, effective on May 1, 1980:

NOW THEREFORE

BE IT RESOLVED, That effective May 1, 1980, pursuant to Ohio Revised Code section 2743.02(C), the University Hospitals Self-Insurance and Indemnification Program be extended, within existing coverage limitations of the fund, to provide coverage to the twelve general public members of the University Hospitals Board; and

BE IT FURTHER RESOLVED, That within the limits of the fund, the twelve general public members of the University Hospitals Board be indemnified and held harmless against expense, loss or liability arising out of death or injury to any person as a result of negligence, malpractice or other action or inaction of such general public members while acting within the scope of their duties as members of the University Hospitals Board.

Upon motion of Dr. Jacob, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 5, 1980 meeting, Board of Trustees

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL  
RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980**

Resolution No. 81-32

*Synopsis: Providing for the issuance and sale of The Ohio State University General Receipts Bond Anticipation Notes, Series 1980 is recommended.*

WHEREAS the Board of Trustees of The Ohio State University (the "Board"), is vested with the government of The Ohio State University (the "University" and, when the context admits, collectively with the Board called the "University") by Chapter 3335, Ohio Revised Code; and

WHEREAS the University has previously determined, and does hereby confirm, that it has been necessary to construct and equip certain vehicular parking facilities on the campus of the University, comprised of two multi-level parking structures and appurtenances known as the 9th Avenue Parking Ramp and the 11th Avenue Parking Ramp, with an aggregate capacity for the parking of approximately 1,740 motor vehicles, and that it is necessary to install smoke detector equipment in 11,113 living units of University and University Housing Commission dormitories and other University living quarters and in the common areas of 25 University and University Housing Commission dormitory buildings, such vehicular parking facilities and smoke detector equipment being herein called the "Project"; and

WHEREAS the costs of the Project constituting "costs of auxiliary facilities" as defined in Section 3345.12 (A) (8), Ohio Revised Code (the "costs of the Project") are at least \$9,500,000; and

WHEREAS the University previously determined, and does hereby confirm, to borrow funds for the permanent financing of the costs of the Project, and for such purpose to issue its General Receipts Bonds (the "Bonds") at such time and in such principal amount as may be necessary for such purpose, pursuant to authorizing provisions of law including Sections 3345.11 and 3345.12, Ohio Revised Code; and

WHEREAS the University heretofore determined that it was necessary to issue, prior to and in anticipation of permanent financing of the costs of the Project, \$9,500,000 of General Receipts Bond Anticipation Notes, Series 1979 (the "Outstanding Notes") as provided in Resolution No. 80-58 adopted by this Board on November 30, 1979, and has determined that it is necessary to issue notes as provided in this resolution to refund the Outstanding Notes; and

WHEREAS the Outstanding Notes mature December 27, 1979 subject to the right of the University to prepay and redeem the Outstanding Notes which this Board has determined to do as of October 1, 1980;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University, that:

Section 1. It is determined to be necessary to borrow, pursuant to Section 3345.11 and 3345.12, Ohio Revised Code and for the purpose of refunding the Outstanding Notes issued

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980 (contd)**

for the purpose of paying the costs of the Project, the amount of \$9,500,000 and to issue General Receipts Bond Anticipation Notes, Series 1980 (the "Notes") to evidence such borrowing.

Section 2. The Notes shall be in the aggregate principal amount of \$9,500,000; shall be dated as of October 1, 1980; shall bear interest from their date at a rate or rates not exceeding ten per centum (10%) per annum, to be fixed by the Fiscal Officer in his certificate awarding the Notes pursuant to Section 6 hereof, such interest to be payable at maturity; and shall mature April 1, 1981; shall be issued in such denominations as requested by the Original Purchaser and approved by the Fiscal Officer, provided that the denominations shall be in the minimum amount of \$25,000 each and if greater in multiples of \$5,000 and that the entire principal amount may be represented by a single note; shall be numbered as determined by the Fiscal Officer; shall not have coupons attached; shall be signed in their official capacities by the Chairman of the Board or the President of the University and by the Fiscal Officer, provided that one of such signatures may be a facsimile signature; and shall express upon their faces the purpose for which they are issued and that they are issued pursuant to this resolution.

Section 3. The Notes may be issued in registered form or in unregistered form as requested by the Original Purchaser, shall reflect the appropriate terms of the offer and sale thereof consistent with this resolution and with the Invitation for Proposals attached hereto, and may contain such other provisions, consistent with this resolution and with the Invitation for Proposals attached hereto, as the President of the University or the Fiscal Officer may approve.

Section 4. If the holder (in this section called the "owner") of a note issued pursuant to this resolution claims that such note has been lost, destroyed, or wrongfully taken, the Fiscal Officer is authorized to cause to be executed and delivered a new note (in this section called the "replacement note") of like date and tenor (specifying on its face, however, that it is issued in place of the original note) in place of the original note, in accordance with and subject to the provisions of Section 1308.35, Ohio Revised Code, and of this section. The owner's notification and request pursuant to said Section 1308.35 shall be in writing, addressed to the Fiscal Officer and shall include evidence satisfactory to the Fiscal Officer of such loss, destruction, or wrongful taking and of his ownership. The Fiscal Officer is authorized to approve, so long as satisfactory to such officer, the indemnity bond that the owner shall file with the University as a condition to the issuance of a replacement note, and is further authorized to impose other reasonable requirements, including a requirement that the owner pay the reasonable expenses and charges of the University in connection with the issuance, execution and delivery of such replacement note, as conditions to the delivery of a replacement note.

Section 5. The principal of and interest on the Notes shall be payable at the main office of The Huntington National Bank of Columbus, Columbus, Ohio, or at such other bank designated by the Fiscal Officer in his certificate awarding the Notes pursuant to Section 6 hereof, such payment to be made in Federal Reserve Funds of the United States of America if the Original Purchaser shall so elect.

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**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980 (contd)**

Section 6. The Notes shall be sold by the Fiscal Officer at a rate of interest not exceeding the limitation set forth in Section 2 hereof, at par and any premium, and in accordance with the provisions of the "Invitation for Proposals" attached hereto. The Fiscal Officer is hereby authorized and directed to deliver the Notes, when executed, to the Original Purchaser upon payment of the purchase price together with any accrued interest.

Section 7. As provided in this resolution, the principal of and interest on the Notes, together with the principal of and interest on any other notes that may hereafter be issued by the University on a parity therewith, shall be equally and ratably payable from, and secured by a pledge of and a lien on, the "General Receipts" of the University as defined in Section 1 of the General Bond Resolution adopted by this Board on May 7, 1971 (the "General Bond Resolution"), but subject to the existing pledge thereof to bonds issued or to be issued pursuant to the General Bond Resolution. The principal of and interest on the Notes shall also be equally and ratably payable from, and secured by a pledge of and lien on, the proceeds of the sale of bonds or notes issued pursuant to Sections 3345.11 and 3345.12, Ohio Revised Code, or other authorizing provisions of law to refund or retire the Notes in whole or in part. Neither the State of Ohio nor the University or its Board shall be obligated to pay the principal of or interest on the Notes from any other funds or source, and the Notes shall not be a claim upon or lien against any property of the State of Ohio, or any other property of or under the control of the University. The Notes, as to both principal and interest, are not debts or bonded indebtedness of the State of Ohio, are not general obligations of the State or the University, and the full faith and credit thereof are not pledged thereto. The holders of the Notes shall have no right to have any excises or taxes levied by the General Assembly of the State of Ohio for the payment of principal or interest.

In consideration of the loan evidenced by the Notes, the University covenants and agrees that it will do all things necessary to effect the issuance and delivery, prior to the maturity of the Notes, of bonds or notes for the refunding or retiring of the Notes, pursuant to Sections 3345.11 and 3345.12, Ohio Revised Code, or other authorizing provisions of law, in such principal amount as may be necessary to pay the principal of and interest on the Notes, that it will do all things necessary to sell such bonds or notes at the time provided above and will accept such price and such interest rate as shall be necessary in order to effect such sale, and that it shall apply the proceeds thereof to the extent necessary to make full payment of said principal of and interest on the Notes, and these obligations are established as duties specifically enjoined by law upon the University and its officers, and result from their respective offices, trust or stations within the meaning of Section 2731.01, Ohio Revised Code.

In connection with the aforesaid covenant, it is the present intention of the University that any bonds eventually issued to retire the Notes or notes issued to refund the Notes will be issued as General Receipts Bonds pursuant to the General Bond Resolution, and that such bonds shall have not to exceed 30 annual principal maturities and that the debt service thereon shall be on a substantially level debt service basis.

Section 8. The proceeds of the Notes shall be applied promptly by the Fiscal Officer to the timely payment and discharge of the like aggregate principal amount of the Outstanding



September 5, 1980 meeting, Board of Trustees

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL  
RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980 (contd)**

Notes. The Fiscal Officer is hereby directed to apply to the payment of the interest due on the Outstanding Notes upon the date of their prepayment, such amounts as may be required therefor from funds of the University lawfully available therefor.

Section 9. The University hereby covenants that it will restrict the use of the proceeds of the Notes in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of the delivery of and payment for such Notes, so that the Notes will not constitute arbitrage bonds under Section 103 (c) of the Internal Revenue Code and the applicable income tax regulations under that Section. The Fiscal Officer, or any other officer having responsibility for issuing the Notes, is authorized and directed, alone or in conjunction with any of the foregoing or with any other officer or employee of or consultant to the University, to give an appropriate certificate of the University, for inclusion in the transcript of proceedings, setting forth the reasonable expectations of the University on the date of delivery of and payment for the notes regarding the amount and use of the proceeds of the Notes and the facts, estimates and circumstances on which they are based pursuant to said Section 103 (c) and the applicable income tax regulations thereunder.

Section 10. This Board determines to prepay the Outstanding Notes as of October 1, 1980, and the Fiscal Officer is hereby authorized and directed to take the appropriate steps and actions and to give such notices as required by Resolution 80-58 to effectuate the prepayment of the Outstanding Notes on said date.

Section 11. As used in this resolution, "Fiscal Officer" shall mean the Vice President for Business and Administration of the University, or, in his absence, the Treasurer of the University; "Original Purchaser" shall mean each financial institution or underwriter which initially purchases the Notes, as identified in the certificate of the Fiscal Officer awarding the Notes pursuant to Section 6 hereof; and references to any specified section of the Ohio Revised Code shall mean said section as it now exists and as it may from time to time be amended, supplemented or affected by later legislation, and shall include any provision enacted in substitution therefor or as a supplement thereto. Any reference in this resolution to an officer of the University or the Board shall refer to the person holding such office or, in the event of absence or vacancy in such office, then to the person performing the duties of such office.

Section 12. It is hereby found and determined that all formal actions of this Board concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board, and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22, Ohio Revised Code.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

September 5, 1980 meeting, Board of Trustees

**INVITATION FOR PROPOSALS  
\$9,500,000 THE OHIO STATE UNIVERSITY  
GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980**

The Ohio State University (the "University"), Columbus, Ohio, contemplates the issuance of general receipts bond anticipation notes in the principal amount of \$9,500,000 (the "Notes") to refund a like amount of general receipts bond anticipation notes previously issued in anticipation of the issuance of General Receipts Bonds, to pay the costs of certain University Facilities, consisting of the construction and equipping of new vehicular parking facilities and the installation of smoke detector equipment in University and University Housing Commission dormitories and other University living quarters.

Sealed proposals for the purchase of the Notes will be received by the University Treasurer at his office in 910 Lincoln Tower, the address of which is 1800 Cannon Drive, Columbus, Ohio 43210, until 12:00 o'clock, Noon, Eastern Daylight Saving Time on September 26, 1980, at which time the proposals will be opened and read publicly.

The Notes will be dated as of October 1, 1980, will mature April 1, 1981, will not be subject to prepayment nor have coupons attached and will bear interest from their date payable at maturity.

Proposals may be for all or part of the \$9,500,000 principal amount of the Notes, provided that (i) each proposal for less than all of the Notes shall be in a whole multiple of \$500,000 and (ii) each proposal shall be in an amount not less than \$1,000,000. Each proposal shall be for the purchase of the Notes proposed to be purchased at not less than par, and shall state the principal amount proposed to be purchased and the interest rate or rates which said principal amount shall bear, but only one rate shall be specified for any given \$500,000 segment of Notes proposed to be purchased. "All or none" proposals with respect to any principal amount of Notes proposed to be purchased shall not be considered. Each proposal shall be in writing, on the form provided by the University, and enclosed in a sealed envelope endorsed "Proposal for General Receipts Bond Anticipation Notes, Series 1980."

The Notes or any portion thereof will be sold to the party or parties submitting the highest proposal therefor based on the lowest interest cost to stated maturity. Each segment of the Notes for which a given party submitting a proposal specifies a separate interest rate will be considered a separate proposal and any premium specified will be allocated pro rata among all the segments proposed to be purchased, unless separate premiums are specified for each segment. The lowest interest cost for each segment will be determined by taking the aggregate amount of interest to the stated maturity at the rate specified and deducting therefrom the amount of premium applicable thereto. The Notes will then be awarded in segments commencing with the segment for which the lowest interest cost was offered and continuing with the awards in order of interest cost offered, from lowest to highest; provided, however, in the event that two or more proposals specify the same lowest interest cost and the award to such parties submitting proposals would exceed the principal amount of the Notes offered for sale, the award as to such proposals will be made pro rata.

The University reserves the right to award to any party submitting a proposal all or any part of the Notes which such party submitting a proposal offers to purchase in its proposal on

**INVITATION FOR PROPOSALS (contd)**

the basis of such proposal, except that partial awards shall be in the amount of at least \$500,000. In the event that a pro rata award would result in a partial award of less than \$500,000, the successful party submitting a proposal with respect to that segment will be determined by lot. In addition, the University reserves the right to reject any or all proposals and to re-offer the Notes (in the same or in an increased or decreased aggregate principal amount) for sale, and also reserves the right to waive any informality, irregularity or defects.

The Notes will be payable at the main office of The Huntington National Bank of Columbus, Columbus, Ohio, or at such other bank designated by the University Vice President for Business and Administration, or the University Treasurer, as the case may be, in his certificate awarding the notes as provided in Section 6 of the note resolution authorizing the Notes; will be payable in Federal Reserve funds of the United States of America if so requested by the purchaser or purchasers; and will be in such numbers and denominations (provided that the denominations shall be in the minimum amount of \$25,000 each and if greater, in multiples of \$5,000) as may be requested by the purchaser or purchasers and approved by the Vice President for Business and Administration of the University, or in his absence, the University Treasurer.

Principal of and interest on the Notes and such other notes that may be issued on a parity therewith, are payable from the "General Receipts" of the University as defined in Section 1 of the General Bond Resolution adopted by the Board of Trustees of the University on May 7, 1971 (the "General Bond Resolution"), but subject to the existing pledge thereof to bonds issued or to be issued pursuant to the General Bond Resolution. Principal of and interest on the Notes are also payable from the proceeds of the sale of bonds or notes issued pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code or other authorizing provisions of law to refund or retire the Notes in whole or in part. The holders of the Notes shall have no right to have any excises or taxes levied by the General Assembly of the State of Ohio for the payment of principal or interest.

Legal matters incident to the issuance of the Notes and with regard to the tax-exempt status of the interest thereon are subject to the approving legal opinion of Squire, Sanders & Dempsey, Bond Counsel, which will be furnished without cost to the successful party or parties submitting proposals at the time the Notes are delivered. Bond Counsel has not been engaged to confirm or verify, assumes no responsibility for, and expresses and will express no opinion as to the accuracy, completeness or fairness of any statements in any reports, financial information, offering or disclosure documents or other information relating to the University or the Notes that may be prepared or made available by the University or others to the parties submitting proposals for or holders of the Notes or others.

The University will furnish without expense the Notes which will be in printed form, and the cost of printing the Notes will not be considered in determining the highest proposal. A complete transcript of proceedings will also be furnished by the University together with a certificate that to the knowledge of the signers no litigation or administrative action or proceeding is pending or threatened at the time of delivery to restrain or enjoin or seeking to restrain or enjoin the issuance and delivery of the Notes, or to contest or question the proceedings and authority under which the Notes have been authorized, issued, sold, executed or delivered or the validity of the Notes.

September 5, 1980 meeting, Board of Trustees

**INVITATION FOR PROPOSALS (contd)**

The Notes will be delivered for payment at a single bank or trust company within the State of Ohio, or at a single bank or trust company in the City and State of New York, without cost to the purchasers, such bank or trust company to be designated by the Vice President for Business and Administration of the University, or, in his absence, the University Treasurer. Unless other mutually satisfactory arrangements are made, each successful party submitting a proposal will be required to accept delivery of the portion of the Notes which were awarded to it at such place when so available.

Before making tender of the Notes, or any portion thereof for which award has been made, at the place of delivery, the University shall give written notice to the successful parties submitting proposals not later than the fifth business day before the proposed tender, of the fact that the Notes, transcript, no-litigation certificate and approving opinion will be available for delivery and giving the date and hour for the tender at the place of delivery; provided, however, that nothing herein contained shall prevent the making of a mutually agreeable arrangement for the delivery of the Notes either at the place fixed for delivery or elsewhere.

It is anticipated that the Notes will be available for delivery on October 1, 1980, and payment therefor, together with any accrued interest thereon if delivered after October 1, 1980, must be made in Federal Reserve funds of the United States of America. If such notice has not been given by the University or waived by the successful party submitting a proposal and the Notes, transcript, no-litigation certificate and approving legal opinion are not available for delivery to the successful party submitting a proposal at such place of delivery on or before 12:00 o'clock Noon Eastern Daylight Saving Time of the 45th calendar day after the day fixed for receipt of proposals, and the successful party submitting a proposal shall not be in default of any of its obligations, it shall thereafter, and so long as tender thereof by the University shall not yet have been made, have the right to cancel the contract of purchase by delivering to the office of the undersigned during regular business hours written notice of such cancellation.

In the event that, prior to their delivery, the interest on said Notes should, by act of Congress or otherwise, become subject to federal income taxes, or any act of Congress should provide that the interest income on said Notes shall be taxable at a future date for federal income tax purposes, whether directly or indirectly, the successful party or parties submitting proposals may refuse to accept delivery.

It is contemplated that the undersigned, acting pursuant to the authority conferred by the resolution authorizing the issuance of the Notes, will award the same promptly on the day on which bids are received.

Richard D. Jackson  
Acting University Treasurer  
The Ohio State University  
Telephone: (614) 422-6261

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September 5, 1980 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-33

RESOLVED, That the report on the University's Investment Portfolio, dated August 15, 1980, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**REPORT TO THE BOARD OF TRUSTEES  
HAROLD L. ENARSON**

**Looking Ahead to Autumn Quarter--A Brief Preview**

Mr. Chairman and members of the Board, there is a deathly still over the campus and it will not last. In a few days the campus will be alive with students and we will be opening a new academic year. In December--all too soon--I will be presiding at the 274th commencement exercises of The Ohio State University. I thought it might be helpful, I hope it will be of some interest to this Board, if I look ahead very quickly to the Autumn Quarter and give all of you, and through you others, a brief preview of the coming year.

**Enrollment** - It is heartening to see that our enrollment is relatively stable. At the Columbus campus we expect about 53,000 students. The regional campuses are expected to show an increase of enrollment of possibly 5 per cent or so to about 4,000 or 4,100 and of note to some of you, the freshman class of some 7,000 or 7,100 will have more women than men for the first time since World War II. It will have about 51 per cent to 49 per cent.

**Housing** - Our residence halls will be full, bulging. Indeed, we are making short-term arrangements to handle a temporary overflow of some 200 or so students, and of the 1,100 or so being housed, about half of these are freshmen.

**Student Financial Aid** - Student financial aid is a major problem this fall in ways that I suppose are obvious but often overlooked. There is a very substantial increase in the number of students needing aid and particularly in the amount needed. The number seeking aid is up 3-1/2 - 4 per cent over last fall and the amount they seek is up sharply over last year. Actually it is 22 per cent up. You might be interested to know that the need, the actual need as defined for aid is nearly \$24 million in contrast with the \$19.5 million of a year ago and that, of course, reflects inflation and higher fees and unfortunately the federal support is not increasing proportionately.

**Leadership** - A moment ago I recommended to you the filling of a major position in the University. I think it is important that you in overall understand where we are. Of the ten vice presidents all are now filled; of the seventeen deans all but Dentistry is filled and the search is underway for that person. Of the 117 departmental chairpersons there is one vacancy and four acting and of the 3,211 faculty, which excludes lecturers and teaching assistants, we will have 208 new this fall. I

September 5, 1980 meeting, Board of Trustees

**REPORT TO THE BOARD OF TRUSTEES  
HAROLD L. ENARSON (contd)**

**Looking Ahead to Autumn Quarter--A Brief Preview (contd)**

don't have firm, comparable data on this but it is my sure conviction that that is probably the lowest level of new hires for a long time. There is an extremely high degree of stability in the labor force of American higher education now. The reason is painfully obvious to those who are in the business.

**Academic Programs and Support** - With respect to academic programs and support, there are some new degree programs, notably the Doctor of Pharmacy and the Bachelor of Science in Aviation. These have been approved at all the University levels. We have done the impossible; we have actually consolidated some departments--the Departments of Biochemistry and Physiological Chemistry were consolidated. We have--thanks to Dr. Kuhn in the first instance and now Dr. Reynolds--a program review underway in 23 different areas, and seven of these reviews are to be completed this year. We are, as we reported this morning, in the midst of some major budget reallocations. We do move and have moved significant funds from areas of declining enrollment to areas of expanding enrollment such as engineering and administrative sciences. We have made a substantial investment in teaching and research equipment including \$7 million in one-time funds last year.

**Libraries** - I think it is important to note that in our libraries, we now have well over 3.5 million books, up 95,000 over past autumn. We have allocated last year \$400,000 in supplemental funds for acquisitions. I have to say in the same breath that the demand for increases in library resources continue to outstrip anything that we could possibly finance.

**Health Sciences** - In the health sciences, as I noted earlier, we have made key appointments in this past year, including the Director of Nursing, and as of today the Director of Hospitals. Despite very keen competition for nurses here in the community, our nursing staff is up from 415 to 520. University Hospitals now, as of today, has a formal medical staff organization and the medical faculty in the hospitals has elected a chief of medical staff.

Good news is never news, but it is noteworthy--at least to this Board--that the Practice Plan enters its second year and that through the diligent efforts of all concerned we have had a very smooth first year, and I find it particularly gratifying that there has been no need to use formal dispute procedures to resolve any of our problems. Both in Dentistry and Medicine we are now in transition from 3- to 4-year programs and it's heartening to know that we have some hard dollar support from the General Assembly. As I told you so many times, the federal capitation support for the health area is drying up very fast and I think to our great credit as an institution we have moved substantial sums of money from other parts of the enterprise to make up for these losses in the health sciences. I am not sure that's as well understood and appreciated in the health areas as it might be.

September 5, 1980 meeting, Board of Trustees

**REPORT TO THE BOARD OF TRUSTEES  
HAROLD L. ENARSON (contd)**

**Looking Ahead to Autumn Quarter--A Brief Preview (contd)**

**International Programs** - With respect to international programs, we have the office now of the Midwest University Consortium for International Activities and we have recently established a new Center for International Studies, and I think we have a first-rate person to head that up.

**Support Services** - Something called--the dulllest possible bureaucratese support services yet utterly important--we established last year the Environmental Health and Safety Office. I think it is fair to say that we haven't done enough over the years in this domain and it is fair to say that it will be difficult ever to do all that we perhaps should do or that people expect us to because the problems are so large and they are changing so rapidly, but we are making a major thrust and we now have a professional and clerical staff of 12 to monitor a whole range of potential hazards and to assure the safety of students and staff.

We have also strengthened our program for physically impaired, not because of pressures we have had from anybody at any time, but because it has been the right thing to do. We have put increased dollars into that program--we have a new Director hired who will be here soon, we have expended money to improve building access, we have added to our transportation services and we have eased access to the recreation programs.

**Athletics** - In athletics, I won't touch on all the things that are covered everyday in the sports page because you know that. But what you don't know and should know is that we continue to make improvements in our women's programs. Our grants-in-aid were virtually zero when I came here eight years ago and the past four years we have moved the number of grants-in-aid for women from 62 to 92. We are not unaware of some of the problems of sister institutions around the nation including some of our Pac 10 colleagues on the West Coast. We are taking every precaution we can imagine. The academic advising of student athletes, we realize, is very sensitive and very important as is our monitoring of their eligibility, and we are strengthening the ties between the academic counseling of student athletes and the Office of Academic Affairs.

**Traffic and Parking** - There are really only several things of deep and profound interest to faculty, staff, and students--sex and parking--and I don't have anything to say about the former, but with respect to parking, we had hoped to have a new street widening done by the first of the new year but it will be a little late. We are widening West Woodruff Avenue near High Street which I think will clearly improve the flow of traffic from campus. We have resurfaced and restriped the parking areas. We are making better use, incidentally, of our space by remarking some parking spaces to fit small cars. As a result, we have gained an additional 205 cars. We have also frustrated the President enormously because he can no longer find a place to park his car--which is not a small car--it is an old, tired car, but it's not a small car.

September 5, 1980 meeting, Board of Trustees

**REPORT TO THE BOARD OF TRUSTEES  
HAROLD L. ENARSON (contd)**

**Facilities Improvements**

Now, with your forbearance, I would like to go to one other item and this item is of such importance in terms of the future of this University that I have chosen to spell out my comments, and I realize you can read faster than—let your eye flow down the page faster than I can read, but I think it is important that I try to underscore some points with respect to facilities, and the points I make are in essence points that have been made before to you, but that doesn't delude from their fundamental validity.

First, every project in our current capital improvements program enhances the quality of the University's service in one way or another. Some projects are not glamorous. But all are essential.

Second, almost none of these projects is related to enrollment. Rather, they are directly linked to our efforts to provide better services in health and other areas. Or they are required because we must renovate or replace old buildings.

Third, it is absolutely essential that funds be provided to keep up with the ongoing maintenance requirements of a physical plant of about 440 buildings that have a replacement value of approximately \$1 billion.

Finally—the most telling point in these figures—is the fact that *all* funds for construction and improvement of facilities at Ohio State will soon be gone.

The capital improvements bill has been stalemated in the General Assembly since last spring. We intend, however, to continue to press for passage of some kind of capital improvements measure. The magnitude of that bill, of course, must finally be determined by the political process.

Yet—and I want to underscore this point publicly once again—the capital projects proposed by this University nearly two years ago are still badly needed.

I recall that eight years ago, when I came here, the University's highest capital priority was replacement of the old Sawtooth section of McPherson Laboratory. It *continues* to be our top priority. It is a sad commentary that students who must use this laboratory probably had much better facilities in their high schools.

As every homeowner knows, it is the height of folly to neglect faulty plumbing or a leaking roof. A university is no different, except that when the damage comes it will be much more expensive to repair. The economy of delay is a false economy.

We should be spending \$10-\$12 million annually on utilities improvements and renovation alone, to say nothing of new facilities that may be needed in the years ahead. Yet the following figures are painfully clear. The count-down has begun. And this University has about two years before it runs out of capital improvements funds completely.



September 5, 1980 meeting, Board of Trustees

**REPORT TO THE BOARD OF TRUSTEES  
HAROLD L. ENARSON (contd)**

**Facilities Improvements (contd)**

**THE YEAR PAST: 1979-80**

A. Projects Completed		
9th Avenue Parking Ramp	\$ 4.50M	January, 1980
Energy Control Center	0.55M	September, 1979
Starling-Loving Improvements (Optometry)	0.16M	September, 1979
University Hospitals Kitchen	0.775M	December, 1979
Classroom Improvements	0.30M	April, 1980
Sisson Hall Improvements	0.29M	May, 1980
Parking Lot Repairs	0.50M	September, 1979
Utility Line Improvements	0.88M	Various Times
B. Projects Continued		
Agronomy Building	\$13.60M	(Started 6/79)
Cancer Center Laboratory	2.70M	(Started 3/79)
Rhodes Hall	42.30M	(Started 7/75)
Energy Conservation	1.07M	(Started 3/79)
C. Projects Started		
University Hospitals Remodeling	\$13.00M	February, 1980
Oral Surgery Remodeling (Dentistry)	0.20M	November, 1979
Dormitory Smoke Detectors	3.00M	July, 1979
Northwood School Barrier Removal	0.24M	November, 1979
Orton Hall Renovation	1.24M	October, 1979
St. John Arena Women's Locker Room	0.27M	May, 1980
Don Scott Field Improvements	0.74M	September, 1979
VA Clinic	3.50M	July, 1979

**THE YEAR AHEAD: 1980-81**

A. Projects To Be Completed		
Cancer Center Laboratory	\$ 2.70M	
Rhodes Hall	42.30M	
Oral Surgery Remodeling	0.20M	
Energy Conservation	1.07M	
Dormitory Smoke Detectors	3.00M	
Northwood School Barrier Removal	0.24M	
Orton Hall Renovation	1.24M	
St. John Arena Women's Locker Room	0.27M	
Don Scott Field Improvements	0.74M	
Woodruff-College Traffic Improvements	0.04M	
Parking Lot Repairs	0.25M	
Biological Sciences Energy Improvements	0.38M	
North Dormitory HVAC Retrofit	0.36M	
Other Utility & Renovation	0.28M	

September 5, 1980 meeting, Board of Trustees

**REPORT TO THE BOARD OF TRUSTEES  
HAROLD L. ENARSON (contd)**

**Facilities Improvements (contd)**

**THE YEAR AHEAD: 1980-81 (contd)**

B.	Projects To Be Continued	
	Agronomy Building	\$13.60M
	University Hospitals Remodeling	13.00M
C.	Projects To Be Started	
	Recreation Fields Lighting and Improvements	\$ 0.32M
	Chemical Warehouse	0.67M
	Additional Barrier Removal	0.20M

**THE NEXT BIENNIUM: 1981-83**

A.	Projects To Be Completed	
	Agronomy Building	\$13.60M
	University Hospitals Remodeling	13.00M
	Recreation Fields Lighting and Improvements	0.32M
	Chemical Warehouse	0.67M
B.	Projects To Be Continued	
	None funded by capital appropriations.	
C.	Projects To Be Started	
	None funded by capital appropriations unless Capital Improvements Legislation, currently in Conference Committee, is passed.	

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Thereupon the Board adjourned to meet Friday, October 3, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-FIRST MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, October 3, 1980

The Board of Trustees met at its regular monthly meeting on Friday, October 3, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

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Minutes of the last meeting were approved.

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October 3, 1980 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related issues.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, Daniel M. Galbreath, and Edmund C. Redman.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

**CHANGE "THE WARNER M. AND LORA KAYS POMERENE  
PROFESSORSHIP IN MEDICINE" TO "THE WARNER M.  
AND LORA KAYS POMERENE CHAIR IN MEDICINE"**

Resolution No. 81-34

*Synopsis: Change "The Warner M. and Lora Kays Pomerene Professorship in Medicine" to "The Warner M. and Lora Kays Pomerene Chair in Medicine," is being proposed.*

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Chairs," which was subsequently modified March 3, 1972, and renamed "Endowed Chairs," and was modified further on May 5, 1978; and

WHEREAS the Board of Trustees on January 9, 1976 approved the establishment of an "Endowed Professorship" to be known as "The Warner M. and Lora Kays Pomerene Professorship in Medicine"; and

WHEREAS through an additional bequest to The Ohio State University Development Fund from Warner M. Pomerene (B.A. '15, LL.B. '17) and Mrs. Lora Kays Pomerene (B.S. '16), of Coshocton, Ohio, it is desired to change the "Endowed Professorship" to an "Endowed Chair" to be known as "The Warner M. and Lora Kays Pomerene Chair in Medicine"; and

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees and The Ohio State University, with the right to invest and reinvest as occasion dictates; and

WHEREAS the annual income is to be used to provide salary and program support for the work of a distinguished teacher, researcher and physician who is specializing in the field of primary care with appointment to the Pomerene Chair to be recommended by the Dean of the College of Medicine and approved by the Vice President for Health Sciences and the Board of Trustees; and

WHEREAS should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate official of the University who is then directly responsible for primary care medical education:

October 3, 1980 meeting, Board of Trustees

**CHANGE "THE WARNER M. AND LORA KAYS POMERENE  
PROFESSORSHIP IN MEDICINE" TO "THE WARNER M.  
AND LORA KAYS POMERENE CHAIR IN MEDICINE" (contd)**

NOW THEREFORE

BE IT RESOLVED, That "The Warner M. and Lora Kays Pomerene Professorship in Medicine" be changed to "The Warner M. and Lora Kays Pomerene Chair in Medicine."

Upon motion of Mr. Immke, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-35

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Leaves of Absence Without Salary, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 5, 1980 meeting of the Board, including the following Appointments, Leaves of Absence Without Salary, and Emeritus Titles as detailed in the University Budget for 1980-81, be approved.

**Appointments**

Name: MANUEL TZAGOURNIS  
Title: Acting Dean  
College: Medicine  
Effective: Immediately  
Salary: \$52,200.00 (12-month)  
Present Positions: Associate Dean, College of Medicine, and Professor, Department of Medicine

Name: MARLENE LONGENECKER  
Titles: Director, Center for Women's Studies, and Associate Professor, Department of English  
Effective: October 1, 1980  
Salary: \$27,000.00 (9-month)  
Present Position: Associate Professor, Department of English

Name: WARREN J. KING  
Title: Director  
Office: Physically Impaired  
Effective: November 1, 1980  
Salary: \$22,800.00 (12-month)  
Present Position: Service Coordinator, Rehabilitation Service, Southwest State University, Marshall, Minnesota

October 3, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointments (contd)

Name: JOAN E. GRITZMACHER  
Title: Professor and Acting Chairman  
Department: Home Economics Education  
Effective: October 1, 1980  
Salary: \$31,320.00 (12-month)  
Present Position: Professor, Department of Home Economics Education,  
The Ohio State University

Leaves of Absence Without Salary

WILLIAM E. HALL, Professor, School of Journalism, effective October 1, 1980 through June 30, 1981, to serve as visiting professor at the University of Hawaii.

MCHENRY R. BOATWRIGHT, Associate Professor, School of Music, effective October 1, 1980 through December 31, 1980, to participate in preparation, presentation, and concert touring in memory of Duke Ellington.

ADRIENNE W. HOARD, Assistant Professor, Departments of Art and Black Studies, effective October 1, 1980 through June 30, 1981, to accept a Fulbright-Hays Grant in Korea.

NADINE R. BROOKS, Instructor, Department of Communication, effective October 1, 1980 through December 31, 1980, for personal reasons.

Emeritus Titles

JACK J. EGGSPUEHLER, Department of Aviation, with the title Professor Emeritus, effective May 1, 1980.

LEROY E. JOHNSON, Department of Veterinary Clinical Sciences, with the title Professor Emeritus, effective October 1, 1980.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-36

*Synopsis: The report on contracts, grants, and gifts and the summary for August are presented for Board acceptance.*

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the month of August 1980, be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR AUGUST 1980**

Source	No. of Projects	Support Level
Office of Business and Administration	1	\$ 153,850.00
The Ohio State University Research Foundation	95	5,441,358.00
Engineering Experiment Station	59	344,315.00
		\$5,939,523.00
The Ohio State University Development Fund	3,384 Donors	\$1,330,741.37

**Establishment of Named Funds**

The T. Kline Hamilton Award (Department of Human Nutrition and Food Management)		\$ 20,000.00
The Loren F. Steiner Entomology Memorial Fund (Department of Entomology)		\$ 8,830.00

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR AUGUST 1980 (contd)**

**Establishment of Named Funds**

The Richard B. Reese Memorial Scholarship Fund (Accounting majors participating in intercollegiate athletics)	\$ 5,000.00
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**Report from Presidents Club**

Members to date	4,412
1980: year to date	1,026
New members - August 1980	9

**New Presidents Club Members - August 1980**

Willis F. Abbott	Robert C. Paxton II
Larry L. Cole	Elizabeth M. Randall
Michael J. Gorman	Herbert Solomon
Lee A. Hebert	George E. Weasel III
Patricia L. Marie	

**Presidents Club Member Disenrolled - August 1980**

Timothy L. Hooper



October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

**State of Ohio Research Contract/Grant**

\$153,850.00 - State of Ohio, Department of Education, Columbus, Ohio, Adult Basic Education Staff Development, Academic Faculty of Vocational-Technical Education, August 1, 1980 through July 31, 1981.

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$737,981.00 - Department of Health and Human Services, Public Health Service, Maternal and Child Health, Rockville, Maryland, Mental Retardation Training, Nisonger Center for Mental Retardation (G. E. Martin), 1 July 1980 through 30 June 1981. (Project 761169 - Continuation)

\$494,045.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Spinal Cord Injury Research Center, Department of Surgery (W. E. Hunt and J. S. King), 1 September 1980 through 31 August 1981. (Project 763358 - Continuation)

\$295,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant Programs, Rockville, Maryland, The Ohio Sea Grant Program, 1980-1981, College of Biological Sciences, Center for Lake Erie Area Research (C. E. Herdendorf and J. M. Reutter), 1 September 1980 through 31 August 1981. (Project 762364 - Continuation)

\$218,791.00 - Department of Energy, Argonne, Illinois, Electrical Transport and Optical Properties of Random Small Particle Composites, Department of Physics (D. B. Tanner and J. C. Garland), 1 July 1980 through 30 June 1982. (Project 761098 - Continuation)

\$185,537.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media With Effusion, Department of Otolaryngology (D. J. Lim), 1 September 1980 through 31 August 1981. (Project 760043 - Continuation)

\$128,840.00 - Department of Education, Washington, D. C., Upward Bound, Office of Academic Affairs, Office of Minority Affairs, (R. T. McDonald), 1 September 1980 through 31 August 1981. (Project 762324 - New)

\$124,924.00 - Department of Education, Bureau for Education of the Handicapped, Washington, D. C., Demonstration of Transitional Services for Severely and Profoundly Retarded School Age Children Across a Variety of Ecological Settings, Nisonger Center for Mental Retardation (V. Cotter), 1 September 1980 through 31 August 1981. (Project 761390 - Continuation)

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$112,478.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Organelle Transmission Genetics, Department of Genetics (C. W. Birky and P. S. Perlman), 1 August 1980 through 31 July 1981. (Project 760122 - Continuation)

**\$109,977.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Glycerophospholipid Metabolism in the Brain, Department of Physiological Chemistry (L. A. Horrocks), 1 August 1980 through 31 July 1981. (Project 760039 - Continuation)

**\$75,962.00** - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Interdisciplinary Research Project on Sliding Wear, Department of Metallurgical Engineering (D. A. Rigney), 1 September 1980 through 31 August 1981. (Project 762339 - Continuation)

**\$74,619.00** - Environmental Protection Agency, Cincinnati, Ohio, Improved Assumptions About Liquid Flow Through Wastes, Department of Civil Engineering (C. A. Moore), 1 October 1980 through 27 March 1981. (Project 762234 - Continuation)

**\$73,804.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Pain Mechanisms After Spinal Cord Lesions, Department of Anatomy (J. C. Bresnahan), 1 September 1980 through 31 August 1981. (Project 761283 - Continuation)

**\$72,039.00** - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Electrocatalysis of Oxygen Using Water Soluble Metal Porphyrins and Chemically Modified Porphyrin Electrodes, Department of Chemistry (T. Kuwana), 1 October 1980 through 30 September 1981. (Project 761254 - Continuation)

**\$69,932.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Work Behavior of Retirement Age Males, Department of Economics (D. O. Parsons), 1 September 1980 through 31 August 1981. (Project 761913 - Continuation)

**\$65,589.00** - Department of Health and Human Services, Region V Office, Office of Human Development Services, Administration for Children, Youth and Families, Chicago, Illinois, Child Welfare Services Training Grant (Teaching), College of Social Work (B. S. Weiss), 1 July 1980 through 30 June 1981. (Project 762373 - New)

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$65,000.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, Computer Animation of a Realistic Terrain Model, Department of Art Education (C. H. Csuri), 15 September 1980 through 15 October 1981. (Project 761954 - Continuation)

\$63,000.00 - National Science Foundation, Washington, D. C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 August 1980 through 31 July 1981. (Project 761152 - Continuation)

\$60,729.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, C-Reactive Protein Regulation of Tumor Immunity, Department of Microbiology (R. F. Mortensen), 1 August 1980 through 31 March 1981. (Project 762354 - New)

\$55,039.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Surface Differentiation of Developing Hemic Cells, Department of Anatomy (C. A. Ackerman), 1 September 1980 through 31 August 1981. (Project 761280 - Continuation)

\$53,954.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Automated Blast Hole Logging and Design, Engineering Experiment Station, Water Resources Center (C. J. Konya), 1 October 1980 through 30 September 1981. (Project 762365 - Continuation)

\$52,591.00 - Department of Energy, Golden, Colorado, External Pressure-Balanced Reference Electrodes for the Electrochemical Monitoring of Solar Energy Systems, Department of Metallurgical Engineering (D. D. Macdonald), 1 September 1980 through 31 August 1981. (Project 762368 - New)

\$52,395.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Chromatin in Spermatogenesis and Fertilization, Department of Veterinary Pathobiology (K. Marushige), 1 September 1980 through 31 August 1981. (Project 761910 - Continuation)

\$50,507.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Characterization of Ohio Limestones to Determine Potential Use in Control of Coal Emissions, Engineering Experiment Station, Water Resources Center (C. J. Konya), 30 September 1980 through 29 September 1981. (Project 762366 - Continuation)

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$49,787.00 - National Science Foundation, Washington, D. C., Third International Symposium on Antarctic Glaciology, Institute of Polar Studies (D. H. Elliot) and College of Mathematical and Physical Sciences (C. B. Bull), 15 August 1980 through 31 August 1982. (Project 762361 - New)

\$49,328.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Fracture Mechanics and Structural Response Investigations Associated With Energy Recovery, Department of Engineering Mechanics (S. H. Advani) and Engineering Experiment Station, Water Resources Center (C. J. Konya), 30 September 1980 through 29 September 1981. (Project 762367 - Continuation)

\$48,211.00 - National Science Foundation, Washington, D. C., A Multistage Molecular Model for Neoplastic Transformation in Rats, Department of Microbiology (P. C. Kimball), 1 September 1980 through 31 August 1981. (Project 761782 - Continuation)

\$45,372.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute on Drug Abuse, Rockville, Maryland, Biotransformation of Cannabinoids by Microorganisms, College of Pharmacy (L. W. Robertson), 1 August 1980 through 31 July 1981. (Project 760386 - Continuation)

\$44,114.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Alpha-Adrenergic and Dopaminergic Stereochemical Studies, College of Pharmacy (D. D. Miller), 1 September 1980 through 31 August 1981. (Project 761349 - Continuation)

\$44,000.00 - National Science Foundation, Washington, D. C., Modelling, Control, and Simulation of Human Locomotion, Department of Electrical Engineering (H. Hemami), 1 July 1980 through 30 June 1981. (Project 761570 - Continuation)

\$41,237.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Clinical Implications of Vergence-Anomaly, College of Optometry (R. Jones), 1 August 1980 through 31 July 1981. (Project 761249 - Continuation)

\$40,000.00 - National Science Foundation, Washington, D. C., Characterization of Tegumentary Membrane-Bound Enzymes of Gastrointestinal Parasites, Department of Zoology (P. W. Pappas), 1 November 1980 through 31 October 1981. (Project 762358 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$39,813.00** - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Analyzing Program Methodologies Using Software Science, Department of Computer and Information Science (S. H. Zweben), 1 August 1980 through 31 July 1981. (Project 762340 - New)

**\$38,857.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Isolation and Genetic Analysis of Sporulation Genes, Department of Microbiology (D. H. Dean), 1 August 1980 through 31 July 1981. (Project 761218 - Continuation)

**\$36,003.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Intestinal Secretion: Receptor Mechanisms, College of Pharmacy (T. S. Gaginella), 1 September 1980 through 31 August 1981. (Project 761373 - Continuation)

**\$34,567.00** - National Science Foundation, Washington, D. C., Cenozoic Biostratigraphy of Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (P. N. Webb), 15 July 1980 through 31 July 1981. (Project 762326 - New)

**\$33,500.00** - National Science Foundation, Washington, D. C., Investigation of Oxygen and Alkali Diffusion in Feldspar, Department of Geology and Mineralogy (K. A. Foland), 1 August 1980 through 31 July 1981. (Project 762357 - New)

**\$33,297.00** - National Science Foundation, Washington, D. C., Collaborative Research on a Monographic Study of the Genus *Coreopsis* (Compositae), Department of Botany (D. J. Crawford), 15 August 1980 through 31 August 1981. (Project 762328 - Continuation)

**\$33,000.00** - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weislogel), 20 August 1980 through 17 September 1980. (Project 762359 - New)

**\$30,000.00** - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, EO Device Signature Reduction, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Nordstrom), 1 August 1980 through 30 September 1980. (Project 762341 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$30,000.00 - National Endowment for the Arts, Washington, D. C., The Plow and the River: Documentation of America in Cinema, Department of Photography and Cinema (R. Wagner), 1 July 1980 through 30 June 1981. (Project 762269 - New)

\$27,507.00 - National Science Foundation, Washington, D. C., A Study of the Use of Time-Series Designs for Assessing the Development of Science Concepts in Adolescents, Academic Faculty of Science and Mathematics Education (V. J. Mayer), 1 September 1980 through 31 August 1981. (Project 762375 - New)

\$25,691.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Properties of Skeletal Muscle in Alloxan Diabetes, Department of Physiology (J. A. Grossie), 1 September 1980 through 31 August 1981. (Project 761345 - Continuation)

\$25,001.00 - National Science Foundation, Washington, D. C., Test of Conflicting Hypotheses on the Cenozoic Glaciation of the Transantarctic Mountains, Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (G. Faure), 1 August 1980 through 31 July 1981. (Project 762369 - New)

\$25,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, General Aviation Low-Speed Airfoil Design and Analysis Service, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 1 July 1980 through 30 June 1981. (Project 760454 - Continuation)

\$25,000.00 - National Science Foundation, Washington, D. C., Late Cretaceous and Early Tertiary Biogeography of the Southern Circum-Pacific, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 1 August 1980 through 31 July 1981. (Project 762348 - Continuation)

\$24,762.00 - National Science Foundation, Washington, D. C., Engineering Specialized Research Equipment: Data Acquisition System for Geotechnical Experiments Utilizing a Shake Table, Department of Civil Engineering (W. E. Wolfe), 1 August 1980 through 31 July 1981. (Project 762327 - New)

\$22,000.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. Walter, R. Marhefka, and R. C. Rudduck), 1 August 1980 through 30 September 1980. (Project 761784 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$18,585.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Purchase of NMR Spectrometer for Core User Group, Department of Chemistry (D. Horton, P. Frey, and L. Berliner), 1 September 1980 through 31 August 1981. (Project 761911 - Continuation)

\$18,500.00 - National Science Foundation, Washington, D. C., An Analysis of Microstructure and Toughness of Ceramics, Department of Metallurgical Engineering (R. G. Hoagland), 1 August 1980 through 31 December 1980. (Project 762334 - New)

\$16,830.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Forage Utilization by Walleye and Yellow Perch in Western Lake Erie, Department of Zoology (T. J. Peterle and R. F. Carline), 22 July 1980 through 31 July 1982. (Project 762281 - New)

\$13,281.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Intrarenal Pressure and Renal Function, Department of Medicine (L. A. Hebert), 1 July 1980 through 31 March 1981. (Project 761786 - Continuation)

\$10,908.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Mechanical Control and Energetics of Muscle Contraction, Department of Physiology (E. Bozler, J. A. Grossie, and J. A. Rall), 1 September 1980 through 31 August 1981. (Project 760924 - Continuation)

\$10,632.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., The Electrophysiologic Mechanisms of Halogenated Alkane Arrhythmogenesis, Department of Veterinary Physiology and Pharmacology (S. M. Strauch), 1 September 1980 through 30 September 1980. (Project 761648 - Continuation)

\$10,356.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, T-matrix Formulation to Study the Frequency Dependent Properties of Absorbing Materials, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 August 1980 through 30 April 1981. (Project 762329 - New)

\$10,000.00 - Department of the Army, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, Soil Investigations Along Haul Road and at Prudhoe Bay, Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 July 1980 through 31 January 1981. (Project 762345 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$10,000.00 - National Science Foundation, Washington, D. C., Acute Effects of Inhalation of Volcano Dust in the Canine Model, Department of Veterinary Physiology and Pharmacology (R. L. Hamlin), 1 August 1980 through 31 July 1981. (Project 762372 - New)

\$3,789.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Anthropology, Department of Anthropology (F. E. Poirier and W. A. Lawrence), 1 September 1980 through 31 December 1982. (Project 762336 - New)

\$1,775.00 - Department of the Army, Corps of Engineers, Buffalo District, Buffalo, New York, A Shoreline Inventory of the Lake Erie Shoreline and Selected Reaches of Navigable Rivers in the State of Ohio, Department of Civil Engineering (K. Bedford) and College of Biological Sciences, Center for Lake Erie Area Research (C. Herdendorf), 1 September 1980 through 1 December 1980. (Project 761113 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$4,263,436.00**

**State of Ohio Research Contracts/Grants**

\$65,000.00 - State of Ohio, Department of Education, Columbus, Ohio, Ohio Education Deans' Task Force Project, Academic Faculty of Exceptional Children (T. Stephens), 1 June 1980 through 31 May 1981. (Project 762261 - New)

\$39,409.00 - State of Ohio, Department of Economic and Community Development, Columbus, Ohio, Rural Crime Prevention Center, Department of Agricultural Economics and Rural Sociology (G. H. Phillips), 1 August 1980 through 31 July 1981. (Project 762351 - Continuation)

\$34,289.00 - Ohio Youth Commission, Columbus, Ohio, Ohio Youth Commission Visual Response System Project, Academic Faculty of Exceptional Children (W. L. Heward), 1 July 1980 through 30 June 1981. (Project 762349 - Continuation)

\$24,000.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Coordinate Career Education Materials Development Activities, Academic Faculty of Special Services (J. J. Quaranta), 1 June 1980 through 30 September 1980. (Project 762337 - New)

\$17,300.00 - State of Ohio, Department of Education, Columbus, Ohio, Heads of Teacher Education Program, Academic Faculty of Exceptional Children (T. M. Stephens), 1 June 1980 through 31 May 1981. (Project 762343 - New)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

**\$10,000.00** - Ohio Arts Council, Columbus, Ohio, Public Film, Photography and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1980 through 30 June 1980. (Project 762311 - New)

**\$9,694.00** - Ohio Board of Regents, Columbus, Ohio, A Multi-Disciplinary Approach to Podiatric Curricular Development Related to Aspects of Aging, College of Medicine - Administration and Department of Pathology (L. Liss), 1 July 1980 through 30 June 1982. (Project 762333 - New)

**\$9,694.00** - Ohio Board of Regents, Columbus, Ohio, Interdisciplinary Aspects of Geriatric Oral Health Care, College of Medicine - Administration and Department of Pathology (L. Liss), 1 July 1980 through 30 June 1982. (Project 762331 - New)

**\$9,646.00** - Ohio Board of Regents, Columbus, Ohio, Developmental Determination of Mechanisms for Longevity Assurance, Department of Radiology (R. Stephens) and Department of Zoology (W. Myser), 1 July 1980 through 30 June 1982. (Project 762332 - New)

**\$1,134.00** - State of Ohio, Department of Education, Division of Special Education, Columbus, Ohio, Developing Guidelines for Multifactorial Team Evaluations, Academic Faculty of Exceptional Children (M. L. Kabler), 1 June 1980 through 30 September 1980. (Project 762208 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS**                      **\$ 220,166.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

**\$251,983.00** - The Procter and Gamble Company, Cincinnati, Ohio, Study of Dental Caries, College of Dentistry - Administration (W. A. Zacherl), 1 July 1980 through 30 June 1981. (Project 762065 - Continuation)

**\$97,218.00** - The Procter and Gamble Company, Cincinnati, Ohio, Study of Dental Calculus, College of Dentistry - Administration (C. W. Conroy), 1 July 1980 through 30 June 1981. (Project 760029 - Continuation)

**\$86,260.00** - Far West Laboratory for Educational Research and Development, San Francisco, California, Development of a Support System for Sex Equity Services in Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 15 June 1980 through 14 February 1982. (Project 762360 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$72,000.00 - Lockheed Missiles and Space Company, Inc., Sunnyvale, California, Antenna Technology Study, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman, B. A. Munk, R. Marhefka, and R. C. Rudduck), 9 June 1980 through 30 November 1980. (Project 762233 - Continuation)

\$66,932.00 - Associated Builders and Contractors, Inc., Washington, D. C., Associated Builders and Contractors Instructional Materials Development Project, Academic Faculty of Industrial Technology (D. G. Lux), 1 September 1980 through 31 August 1981. (Project 761847 - Continuation)

\$62,660.00 - Hospital Financial Management Association, Oak Brook, Illinois, The Development of a Financial Analysis Service for the Hospital Industry, School of Allied Medical Professions (W. O. Cleverley), 1 July 1980 through 30 June 1981. (Project 761794 - Continuation)

\$61,475.00 - Cuyahoga Community College, Cleveland, Ohio, and Cleveland Public Schools, Cleveland, Ohio, A Study to Improve the Articulation of Adult/Occupational/Vocational Education Between the Cleveland Public Schools and Cuyahoga Community College, National Center for Research in Vocational Education (R. E. Taylor), 18 August 1980 through 10 April 1981. (Project 762322 - New)

\$52,414.00 - University of Wisconsin - Milwaukee, Milwaukee, Wisconsin, Distributed Data Base Design, Academic Faculty of Accounting (P. De), 1 August 1980 through 1 December 1981. (Project 762374 - New)

\$45,000.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, Analysis of Airborne Antenna Pattern Distortion Effects, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 15 July 1980 through 30 September 1980. (Project 762321 - New)

\$30,000.00 - Petroleum Research Fund, American Chemical Society, Washington, D. C., Coherent Motions in Turbulent Shear Flows: Significance for Mass Transfer and Drag Reduction, Department of Chemical Engineering (R. S. Brodkey), 1 September 1980 through 31 August 1982. (Project 762355 - New)

\$23,430.00 - American Heart Association, Inc., Dallas, Texas, Biochemical and Structural Analysis of Cardiac Z-Line, Department of Veterinary Anatomy (M. Yamaguchi), 1 July 1980 through 30 June 1981. (Project 762325 - New)

\$15,659.00 - Morris Animal Foundation, Englewood, Colorado, Cardiac Arrhythmias Associated With Gastric Dilatation-Volvulus in the Dogs: Etiology, Significance, and Therapy, Department of Veterinary Clinical Sciences (J. D. Bonagura), 1 August 1980 through 1 August 1981. (Project 762362 - New)

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$13,004.00 - San Diego State University Foundation, San Diego, California, Research on Dynamics of Tundra Ecosystems and Their Potential Response to Energy Resource Development, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 May 1980 through 30 April 1981. (Project 762338 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Mitral Valve Prolapse Arrhythmias: Effects of Exercise, Department of Medicine (S. F. Schaal and L. Alexander) and School of Health, Physical Education and Recreation (E. Fox), 1 July 1980 through 30 June 1981. (Project 762335 - New)

\$11,421.00 - The Columbus Foundation, Columbus, Ohio, Alfred L. Willson Conference on Problem Prevention in Early Youth, Academic Faculty of Educational Administration (L. Cunningham), 1 August 1980 through 31 July 1981. (Project 762371 - New)

\$10,000.00 - Board of Education of the City of New York, Brooklyn, New York, Development of the Program, "Changing Roles of Men and Women," National Center for Research in Vocational Education (R. E. Taylor), 1 April 1980 through 31 October 1980. (Project 762353 - New)

\$10,000.00 - Morris Animal Foundation, Englewood, Colorado, The Epidemiology and Control of *Strongylus vulgaris* the Major Cause of Colic in Horses, Department of Veterinary Pathobiology (R. P. Herd), 1 August 1980 through 1 August 1981. (Project 762323 - New)

\$9,680.00 - Morris Animal Foundation, Englewood, Colorado, Culture and Characterization of Bone Marrow Cells from Normal Cats and Cats With Aplastic Anemia, Department of Veterinary Pathobiology (E. A. Hoover), 1 August 1980 through 1 August 1981. (Project 761825 - Continuation)

\$8,100.00 - Ohio Wesleyan University, Delaware, Ohio, Assistance With Administration, Counseling, Programming and Training Services, Academic Faculties of Special Services and Educational Administration (R. F. Rodgers), 7 August 1980 through 6 June 1981. (Project 762344 - New)

\$5,000.00 - WBNS-TV, Inc., Columbus, Ohio, Pilot Research Computer-Generated Animation, Department of Art Education (C. A. Csuri), 8 August 1980 through 1 September 1980. (Project 762356 - New)

\$3,931.00 - University of Wyoming, Laramie, Wyoming, A Diagenetic Model for the Monterey Formation, Pismo Syncline, California, Department of Geology and Mineralogy (K. O. Stanley), 1 July 1980 through 30 September 1980. (Project 762376 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$3,620.00 - University of Cincinnati, College of Medicine, Cincinnati, Ohio, Planning, Development and Operation of an Area Health Education Center Program (AHEC), College of Medicine - Administration (M. Tzagournis and G. L. Trzebiatowski), 25 July 1980 through 29 September 1980. (Project 761923 - Continuation)

\$3,129.00 - J. W. Wilson and Associates, Inc., Washington, D. C., Technical Assistance Provided to Public Utilities Commission of Rhode Island, National Regulatory Research Institute (C. Mount-Campbell), 1 August 1980 through 31 August 1980. (Project 762342 - New)

\$1,000.00 - North Dakota State School of Science, Wahpeton, North Dakota, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$640.00 - J. W. Wilson and Associates, Inc., Washington, D. C., Technical Assistance Provided to Public Utilities Commission of Rhode Island, National Regulatory Research Institute (C. Mount-Campbell), 1 August 1980 through 31 August 1980. (Project 762342 - Continuation)

\$600.00 - Pfizer Pharmaceuticals, Pfizer, Inc., New York, New York, Minizide<sup>R</sup> in the Treatment of Essential Hypertension, Department of Medicine (M. Tzagournis and T. G. Skillman), 1 September 1980 through 31 August 1981. (Project 761933 - Continuation)

\$600.00 - Women's Action Collective, Inc., Columbus, Ohio, Research Coordination for Rape Prevention, Department of Philosophy (R. G. Turnbull), 1 September 1980 through 31 December 1980. (Project 760643 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 957,756.00**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$50,694.00 - State of Ohio, Department of Transportation, Columbus, Ohio, Guidelines for Left-Turn Treatments at Fully-Actuated Signal Controlled Intersections, Department of Civil Engineering, Transplex, August 1, 1980 through February 1, 1982. (EES 611/529091)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**Industrial and Other Sponsored Research and Development**

\$90,000.00 - \$30,000.00 from each: Caterpillar Tractor Company, Peoria, Illinois; The Bishopric Products Company, Cincinnati, Ohio; and BATX Gard, Incorporated, Chicago, Illinois, The Center for Welding Research, Department of Welding Engineering, July 1, 1980 through June 30, 1981. (EES 610/529090)

\$62,295.00 - The Ohio State University Office of Physical Facilities, Columbus, Ohio, Study of Energy Conservation for University Buildings, Department of Mechanical Engineering, July 1, 1980 through June 30, 1981. (EES 468/529008, Extension 9)

\$14,104.00 - TAPCO International, Houston, Texas, Weldability of Special Steels by Submerged Arc Welding, Department of Welding Engineering, July 22, 1980 through July 21, 1981. (EES 612/529612)

\$12,000.00 - AISI, Washington, D. C., Experimental Determination of Combustibility, Department of Chemical Engineering, May 1, 1980 through April 30, 1981. (EES 309/529001, Extension 14)

\$115,222.00 - various industries sponsoring for 54 development projects under the direction of 10 engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED  
RESEARCH AND DEVELOPMENT \$293,621.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$40,000.00 - Kaiser Aluminum and Chemical Corporation, Newark, Ohio--\$36,000.00 for Kaiser Aluminum Scholarship Program and \$4,000.00 for Affirmative Action Program in Engineering Fund.

\$36,763.00 - Burroughs Wellcome Co., Research Triangle Park, North Carolina, for Clinical Pharmacology Fund.

\$30,559.81 - Estate of Kimberly Lynn Garland, Zanesville, Ohio, for Presidents Club Special Fund.

\$16,433.00 - Pfizer, Inc., Groton, Connecticut--\$11,433.00 for Clinical Pharmacology Fund and \$5,000.00 for Infectious Disease Research Fund.

\$12,510.00 - Brubaker/Brandt, Inc., Columbus, Ohio, for Department of Architecture Fund.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$12,000.00 - Anderson Clayton Foods, Richardson, Texas, for The Anderson Clayton Graduate Fund for Casein Research.

\$10,422.28 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,000.00 - The Worthington Steel Company, Worthington, Ohio, for Department of Athletics Discretionary Fund.

\$8,405.00 - J. Richard Emens, Columbus, Ohio--\$4,373.13 (part of 500 shares Wendy's International stock) (given in the names of J. Richard Emens and Mary Francis Emens) for Student Athlete Grant-in-Aid Fund; \$1,674.69 (part of 500 shares Wendy's International stock) (given in the name of Mary Francis Emens) for Dean's Education and Research Fund in Veterinary Medicine; \$1,674.68 (part of 500 shares Wendy's International stock) for Enrichment Campaign; \$341.25 (part of 500 shares Wendy's International stock) for College of Law Advancement Fund; \$170.63 (part of 500 shares Wendy's International stock) for College of Administrative Science Fund; and \$170.62 (part of 500 shares Wendy's International stock) for Friends of the Libraries.

\$8,000.00 - The Upjohn Company, Kalamazoo, Michigan, for Antibiotic Research Rotary.

\$7,650.00 - Phi Beta Psi Sorority, Cerritos, California, for Cancer Research Fund.

\$7,016.89 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$7,000.00 - Kibble Foundation, Gahanna, Ohio, for The Kibble Foundation Scholarship Fund.

\$6,688.00 - Dade Diagnostics, Inc., Aguada, Puerto Rico, for Department of Veterinary Clinical Sciences Blood Coagulation Research Fund.

\$6,600.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$6,000.00 - AccuRay Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,000.00 - Anonymous Donor, for Humanities Support Fund.

\$6,000.00 - Kubota Ltd., Japan, for Kubota Ltd. Research Fund.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$5,500.00 - The General Foods Fund, Inc., White Plains, New York, for The General Foods Fund Fellowship in Home Economics.

\$5,500.00 - The Procter & Gamble Company, Cincinnati, Ohio, for Procter and Gamble Company Fellowship in Chemistry.

\$5,000.00 - Mrs. Elizabeth Randall, Knoxville, Tennessee, for William J. McCaughey Fellowship in Mineralogy Fund.

\$5,000.00 - O. M. Scott and Sons Company, Marysville, Ohio, for 4-H Camp Clifton Improvement Fund.

\$5,000.00 - Trust Under the Will of Marjorie Sells Carter, Stamford, Connecticut, for Arthur H. Carter Scholarship Fund.

**Gifts-in-Kind**

\$180,000.00 - Tem-Cole, Inc., McClure, Ohio (given in the name of Larry L. Cole), Tissue Culture Laboratory.

\$21,808.00 - The Hobart Corporation, Troy, Ohio, kitchen equipment.

\$7,300.00 - Technicare Corporation, Cleveland, Ohio, 800 digital tape drive.

\$6,957.00 - Allis-Chalmers Implement Division, LaPorte, Indiana, Allis-Chalmers Planter.

**Establishment of Named Funds**

**The T. Kline Hamilton Award**

The T. Kline Hamilton Award was established October 3, 1980, by the Board of Trustees of The Ohio State University with a gift from the Columbus Division - Dairy and Nutrition Council (formerly Columbus Milk Council).

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as the case dictates.

The annual income will be used to support graduate research related to the nutritional aspects of dairy products in the Department of Human Nutrition and Food Management. The award will be made by the director of the School of Home Economics based on the recommendations of The T. Kline Hamilton Award Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with the preference being given to the appropriate administrative official of the University who is then directly responsible for the School of Home Economics.

October 3, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Loren F. Steiner Entomology Memorial Fund**

The Loren F. Steiner Entomology Memorial Fund was established October 3, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family, friends and associates of Loren F. Steiner, B.S. Agr. '26, M.S. '27, and Honorary Doctor of Science Degree 1967.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students or fellowships to the graduate students who have demonstrated academic ability, need for financial assistance, and an interest in economic entomology. The selection of the recipient is to be made upon the recommendation of the Chairman, Department of Entomology, in cooperation with the Dean of the College of Biological Sciences.

Should the need for these scholarships and fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for entomology education.

**The Richard B. Reese Memorial Scholarship Fund**

The Richard B. Reese Memorial Scholarship Fund was established October 3, 1980, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Ellen M. and Alexander M. Nick to honor the memory of their friend, Richard Baker Reese, B.S. '45, of Richwood, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate or graduate students who are majoring in accounting and have demonstrated a need for financial assistance. Preference is to be given to students participating in the intercollegiate athletic program. The selection of the recipient is to be made upon the recommendation of the University Scholarship Committee in cooperation with the Dean of the College of Administrative Science.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for accounting education.

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October 3, 1980 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER**

**HEALTH SCIENCES CENTER - ROAD CONSTRUCTION (Preliminary Study)**

Resolution No. 81-37

*Synopsis: Employment of engineer to conduct a study for the project, Health Sciences Center - Road Construction (Preliminary Study), is being proposed.*

WHEREAS the Health Sciences Center component of the Comprehensive Master Plan recommends that the principal entrance to the Health Sciences Center be developed from the west in order to relate access for the Center to the regional freeway system to reduce traffic congestion and also recommends several revisions to the interior traffic pattern of the Health Sciences Center in order to reduce congestion, simplify traffic flow, discourage short-cut traffic, increase pedestrian area and establish the principal circulation loop and other desired traffic patterns; and

WHEREAS it is proposed that a preliminary study be completed to contain various alternatives in graphic form indicating the most effective solution and efficient cost estimate to accomplish this road construction:

NOW THEREFORE

BE IT RESOLVED, That the firm of Eriksson Engineering, Ltd., of Columbus, Ohio, be employed to do this preliminary study and provide a report containing a plan for the most cost-effective construction plan and cost estimate to accomplish this improved access to the Health Sciences Center; and

BE IT FURTHER RESOLVED, That the fee for this service be negotiated between the firm and the Department of Administrative Services, Division of Public Works, with the total cost estimate for this preliminary engineering study to be \$55,900.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 81-38

*Synopsis: Contracts have been awarded for the projects enumerated below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

October 3, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**VETERINARY HOSPITAL, RENOVATION OF  
WASTE MATERIAL HANDLING SYSTEM**

Description: Remodel and modify waste material handling in the veterinary hospital facility. These improvements will reduce maintenance costs, improve occupant environment and safety.

**General Contract**

Date Received:	July 30, 1980
No. of Bids:	6
Low Bid:	\$ 45,000.00* **
High Bid:	\$ 81,800.00
Estimate of Cost:	\$ 29,900.00
Awarded to:	RossLin Construction Co., Columbus, Ohio

**Equipment Contract**

Date Received:	July 30, 1980
No. of Bids:	4
Low Bid:	\$ 7,077.20
High Bid:	\$ 15,523.00** ***
Estimate of Cost:	\$ 12,200.00
Awarded to:	Union Landmark, Inc., Marysville, Ohio

\*The General Contract is recommended for award to the second lowest bidder. The day following the bid opening, the low bidder inquired if a decision had been made on awarding the project since he had left out the pre-cast work from his bid and could not accept a contract. He was advised that total bids exceeded the budget and could not be awarded without additional funds. It is the opinion that it would be in the best interest of The Ohio State University to award the General Contract to the second lowest bidder.

\*\*General and Equipment bids were in excess of the filed estimate of cost. However, the total price of all contracts is within 10 per cent of the total estimate of cost, and the contract, therefore, is being recommended for award as provided by section 153.12 of the Ohio Revised Code.

\*\*\*The Equipment Contract is recommended for award to the highest bidder. The bids submitted by the other bidders were rejected for failure of the contractors to submit a Bond in compliance with section 153.08 of the Ohio Revised Code.

October 3, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**VETERINARY HOSPITAL, RENOVATION OF  
WASTE MATERIAL HANDLING SYSTEM (contd)**

**Plumbing Contract**

Date Received: July 30, 1980  
No. of Bids: 2  
Low Bid: \$ 62,900.00\*\*\*\*  
High Bid: \$ 64,500.00\*\*\*\*  
Estimate of Cost: \$ 70,732.00\*\*\*\*  
Awarded to: Farber Corporation, Columbus, Ohio

**Electrical Contract**

Date Received: July 30, 1980  
No. of Bids: 5  
Low Bid: \$ 17,300.00  
High Bid: \$ 29,843.00  
Estimate of Cost: \$ 24,500.00  
Awarded to: Demos Electric Company, Columbus, Ohio

**Total All Contracts: \$140,723.00**

**Total Contingency Allowance: \$ 11,267.86 which is 8 per cent of construction contracts**

**Total Project Cost: \$169,003.00**

**Funding: Budget Account 882902**

\*\*\*\*Recommended alternates reflected in these figures.

**HEALTH SCIENCES LIBRARY, ROOF REPAIRS**

**Description: Install new roof due to deterioration and add insulation required to meet energy conservation measures.**

October 3, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**HEALTH SCIENCES LIBRARY, ROOF REPAIRS (contd)**

**General Contract**

Date Received: August 27, 1980  
No. of Bids: 4  
Low Bid: \$ 62,800.00  
High Bid: \$ 74,639.00  
Estimate of Cost: \$ 67,000.00  
Awarded to: Bright, Inc., Columbus, Ohio

Total Contract: \$ 62,800.00

Total Contingency Allowance: \$ 4,572.80 which is 7.3 per cent of construction costs

Total Project Cost: \$ 69,000.00

Funding: Budget Account 210134 (Contract Repair)

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**COMMENTS ON JESSE OWENS MEMORIAL PLAZA**

**President Enarson's Statement:**

Mr. Chairman and Members of the Board, I now come to what clearly is the highlight of this meeting, and I trust is one of the highlight occasions any time in the history of this Board. It's a big weekend for all of us, and we have planned, to the best of our ability, to have a quality ceremony tomorrow at the game. We are pleased to have Mrs. Owens and her family with us and to have many of you with us for an event this evening, including the Governor. As all of us are aware, this is the Jesse Owens weekend, and I would like to take a moment to describe our plans as we move closer to paying tribute to one of the truly great athletes of any era.

October 3, 1980 meeting, Board of Trustees

### COMMENTS ON JESSE OWENS MEMORIAL PLAZA (contd)

President Enarson's Statement: (contd)

I think it's fair to say that Jesse Owens was an unusual person in many ways. His unique athletic abilities as a track and field star brought great recognition to this University and to the United States, but I think the important point is that his athletic accomplishments were not an end but rather a beginning--they provided the momentum--because he provided a sense of concern for people, and together it was a combination that was to carry him far beyond the athletic realm into the broader area of humanitarian service. Now it was for this service as well as his athletic achievements that Ohio State conferred upon him the honorary doctoral degree in 1972.

You will recall that in April, upon my recommendation, this Board approved naming the track in Ohio Stadium and the three University recreation centers in honor of Jesse Owens. At half-time at tomorrow's football game, we will dedicate these facilities to him. As I noted a moment ago, Mrs. Owens and the three Owens daughters and their families will be with us tomorrow, and they will be guests of honor tonight. They will be our honored guests at a pre-game luncheon, and they will join me on the field at half-time to take part in a very brief ceremony of dedication. That ceremony will be part of a spectacular band show that will be devoted entirely to Jesse Owens' life and accomplishments, and I really hope that ABC-TV will pick up the show for its audience because it will be something special. In addition, we have prepared a commemorative football program which features a cover portrait of Owens drawn by another famous OSU alumnus, Milt Caniff, and a special section will be devoted to pictures and material about Jesse Owens' life.

Obviously, this University is very proud of Jesse Owens and his accomplishments. He is held in great affection by this University and by people around the world, and we want our students and the thousands of visitors who will come here each year to know what he did and what he stood for, and that's why we're holding these ceremonies tomorrow. As each of you are aware, we have been at work now for some months developing a proposal for the Board's consideration for a Jesse Owens Plaza, and I would like now, if I may, Mr. Chairman and Members of the Board, to turn to Dr. Vandament to review this with you.

Dr. Vandament's Statement:

Thank you very much. A great many people have worked hard to develop the concept of the plaza, and I might add that it has been truly a labor of love. I would like to recognize, particularly, Mr. Roger Beal from the Office of Business and Administration and also Dr. Griffith from the Office of Campus Planning and Jean Hansford from Campus Planning for their work and development.

As you see, what we are proposing is a plaza that will extend from Stadium Drive southward to the north end of the stadium into the rotunda, ending in that rotunda area. You may recall that the stadium presently on the north side has an embankment that extends down about 150 to 200 feet, I believe, from the

October 3, 1980 meeting, Board of Trustees

**COMMENTS ON JESSE OWENS MEMORIAL PLAZA (contd)**

Dr. Vandament's Statement: (contd)

rotunda. The proposed plaza will run approximately 450 feet or so up to the rotunda which will serve, then, as the backdrop for the plaza. The plaza itself, then, will be about 150 feet wide with a walkway area of approximately 45 to 50 feet. It will be necessary, therefore, to do grading and to level out the area from Stadium Drive into the rotunda and then to landscape the sides with the intent of keeping the plantings on either side of the walkway in human scale. We have in developing the plaza had consultations with representatives of the Owens family to discuss the matter of the theme and the scale of the plaza, and it has been their wish to keep things in human perspective so that it will be inviting for people to spend some time in contemplation. The rotunda itself, of course, will also need renovation and part of the project that we are proposing will consist of the cleaning and color restoration in the rotunda.

After the plaza itself is completed, there will be commemorative works of art in the plaza itself. At this point, we cannot state specifically the form or shape of those works of art, but we have again discussed themes with the family and have been seeking consultation from people in the arts and in design to come up with the most appropriate works. The plaza itself would be designed by our own architect's office and would be finished, we hope, by the autumn of next year if we move ahead now.

The commemorative works of art would be funded, hopefully, by a joint fund-raising effort on the part of the Jesse Owens Foundation and the University Development Fund, and we have had preliminary discussions with representatives of the Owens Foundation to establish plans for that activity. The works of art, therefore, would be added at some later date. I'll add now that we have both this artist's rendering of the plaza and we have also a three-dimensional model of the plaza which will be on display in the University in the coming months. Thank you.

President Enarson:

We do have a recommendation in your books. It is under the tab, Reports. I think I might read it since it is very brief:

**JESSE OWENS MEMORIAL PLAZA**

Resolution No. 81-39

*Synopsis: Acceptance of the Administration's proposal for Jesse Owens Memorial Plaza.*

WHEREAS the Board of Trustees on April 4, 1980, adopted a resolution recommending that certain facilities be named in memory of Jesse Owens; and

WHEREAS the University wishes further to perpetuate the ideals and accomplishments of Jesse Owens:

October 3, 1980 meeting, Board of Trustees

### **JESSE OWENS MEMORIAL PLAZA (contd)**

**NOW THEREFORE**

**BE IT RESOLVED**, That the Board of Trustees endorses the preparation of plans for the construction of a memorial plaza to honor the achievements of Jesse Owens, an alumnus of The Ohio State University as presented by the President and his staff; and

**BE IT FURTHER RESOLVED**, That the architectural mock-up be accepted as presented and further actions relating to the design and construction of this memorial plaza be reported at future meetings.

Upon motion of Mrs. James, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

### **PLANS FOR JESSE OWENS MEMORIAL RECOGNITION**

At the April meeting, the Board of Trustees approved President Enarson's recommendations that a track in Ohio Stadium and the three University Recreation Centers be named in honor of the late Jesse Owens.

Mr. Owens' achievements as an Ohio State and Olympic track and field star and his humanitarian services and work with youth brought him world recognition. In 1972, Ohio State conferred upon him the honorary Doctor of Athletic Arts degree. He was one of this University's most illustrious sons.

To honor the Owens family and to dedicate those facilities named for Jesse Owens, the following activities have been planned for October 3 and 4:

On Friday, October 3, Mrs. Jesse Owens, the Owens' three daughters and their families will be guests of honor at a dinner in the Fawcett Center. This private occasion—a kind of "family reunion" for the Ohio State and Owens families—will pay tribute to Jesse Owens and his family.

Saturday morning, October 4, a painting of Jesse Owens will be presented to the University by the Miller Brewing Company. President Enarson will receive the painting, with Mrs. Owens attending the presentation.

The Owens family will attend the pre-game luncheon. On display will be an exhibit of photographs of Jesse Owens. The family will be guests of President and Mrs. Enarson for the OSU-UCLA football game.

A special commemorative football program has been prepared, with a cover portrait of Jesse Owens by Milton Caniff. The entire halftime show by the Marching Band will pay tribute to Jesse Owens.

During brief ceremonies at halftime, President Enarson, with the participation of Mrs. Owens and the family, will dedicate formally the Jesse Owens Track and the Jesse Owens Recreation Centers. Appropriate commemorative plaques and signs have been prepared.

October 3, 1980 meeting, Board of Trustees

**PLANS FOR JESSE OWENS MEMORIAL RECOGNITION (contd)**

*Ongoing Activities*

Plans have been prepared for the development of a proposed Jesse Owens Plaza at the north end of the Stadium. The Plaza would extend from the rotunda of the Stadium to Stadium Drive. Its development would involve landscaping and some re-working of the area. A model and an architect's rendering have been prepared to help visualize the project.

The focal point of the Plaza would be a statue or other work of art that would commemorate Jesse Owens and his achievements as an athlete and humanitarian. It is expected that it may be necessary to seek private funds for the statue or work of art.

Interestingly, the original design of Ohio Stadium calls for a Plaza in the area now proposed. Such a Plaza, in honor of Jesse Owens, will enhance the beauty of the area. It will become a focal point of interest for the hundreds of thousands of persons who visit that part of the campus each year for commencements, athletics, and other events. Most significantly, it will serve as a source of inspiration for future generations of students.

The University has also expressed its interest to the Owens family in serving as the repository for Jesse Owens' papers and his athletic and other memorabilia. Such materials could form the core of a "Jesse Owens Collection" that would be a valuable resource to students and scholars and for display purposes.

Finally, representatives of the Owens family have had preliminary conversations with University officials about possible future projects in which the University might participate, some of which might involve fund-raising.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-40

RESOLVED, That the report on the University's Investment Portfolio, dated September 19, 1980, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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The meeting recessed into Executive Session for the purpose of considering legal issues.

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The Board reconvened in regular session and thereupon adjourned to meet Friday, November 7, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman



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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-SECOND MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 7, 1980

The Board of Trustees met at its regular monthly meeting on Friday, November 7, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

\* \* \*

Minutes of the last meeting were approved.

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November 7, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM**

Resolution No. 81-41

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

George A. Davis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 29, 1980, of George A. Davis, Associate Professor in the Department of Black Studies.

Professor Davis was born in Gadsden, Alabama, on August 30, 1933. He began his professional career at Kentucky State University where he earned the B.A. degree in 1957. He earned M.A. and Ph.D. degrees at The Ohio State University in 1964 and 1972 respectively. From 1960-1967 Dr. Davis served as a social studies teacher in the Columbus Public Schools. In 1967 he accepted an appointment as a visiting lecturer and special projects coordinator at the University of Colorado. He joined the staff of Ball State University in 1968 as assistant professor of geography and director of special programs in the office of student affairs. From 1969-1970 Dr. Davis served as associate director of the Commission on Geography and the Afro-American at the University of Michigan. Dr. Davis joined the staff of the Black Studies Department in 1971 as an administrative associate. In 1972 he was promoted to the rank of assistant professor and appointed to the position of executive assistant for departmental affairs. He achieved the rank of associate professor in 1974.

Specializing in the area of urban geography, Dr. Davis was the author of a number of scholarly works in his field, including *Blacks in the United States: A Geographic Perspective*; and "Geography, Social Action and the Black Community," published in 1972 in the volume, *Teaching About the City*. As executive assistant in the Black Studies Department, Dr. Davis was instrumental in the writing of numerous successful proposals to outside funding agencies. He was also one of the chief architects of the department's undergraduate and graduate major programs.

Dr. Davis was a member of Association of American Geographers, Association of Social and Behavioral Scientists, Association for the Study of Afro-American Life and History, National Council for Geographic Education, Kentucky State University Alumni Association, and Omega Psi Phi Fraternity.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

November 7, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

John A. Miller

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 11, 1980, of Dr. John A. Miller, Professor Emeritus in the Department of Zoology, College of Biological Sciences.

Dr. Miller was born in 1905, and upon the completion of his undergraduate degree at Ashland College in 1926, he obtained his first appointment as a Graduate Assistant at The Ohio State University in October, 1926. He completed his advanced degree work at The Ohio State University, receiving the M.S. degree in 1927 and Ph.D. degree in 1932. He was appointed as Instructor in 1929, Assistant Professor in 1933, Associate Professor in 1942 and Professor in 1946.

Dr. Miller's title might have changed, but he never ceased being a very dedicated and enthusiastic instructor to increasing numbers of students in introductory zoology for nearly 12 years. He responded to these teaching assignments in introductory zoology and behavior in a very cooperative, dependable and enthusiastic manner. Dr. Miller devoted considerable effort to the preparation of study guides and laboratory manuals in order that students could improve their understanding of the underlying principles of zoology.

Research was an integral part of his academic efforts, and he published papers related to neuro-muscular mechanisms in behavior, new methods in neurological microtechniques and contributed papers on the systematics, physiology and behavior of leeches.

Following his retirement from The Ohio State University in 1963, he served in an administrative capacity at several other institutions, most recently as Dean of Academic Affairs at his alma mater, Ashland College.

On behalf of the University Community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere expression of the Board's realization of the loss which the family and The Ohio State University have sustained.

Francis P. Weisenburger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 23, 1980, of Francis P. Weisenburger, Professor Emeritus in the Department of History.

Francis Phelps Weisenburger was born in Defiance, Ohio, on October 31, 1900. After graduating from Defiance High School in 1918, he attended the University of Michigan where he received a B.A. degree in 1922, M.A. degree in 1923, and Ph.D. degree in 1929. He joined the faculty of Ohio State University in 1924 as an instructor and advanced through the ranks of assistant professor, associate professor, to professor of history in 1946. During forty-seven years of service at Ohio State University he taught Ohio history; history of the United States, 1865-1900; and immigrant groups in America and directed numerous doctoral dissertations and masters' theses in American history. After retiring from the classroom in 1971, he was appointed University historian and prepared a history of the University during the presidency of Novice Fawcett.

November 7, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Francis P. Weisenburger (contd)

Dr. Weisenburger wrote seven books, many scholarly articles, and contributed to the *Dictionary of American Biography*, *Dictionary of American History*, and *Atlas of American History*. His best-known works were *The History of Ohio* which he wrote in collaboration with Eugene H. Roseboom, *The Passing of the Frontier*, and *Ordeal of Faith*. He was president of the Ohio Academy of History and a member of the editorial board and executive committee of the Mississippi Valley Historical Association, an honorary life member of the Ohio Historical Society, and recipient of the Distinguished Service Award of the Ohio Academy of History, and the Ohioana Citation of the Martha Kinney Cooper Ohioana Library. The Department of History recognized his geniality and hospitality by naming the faculty lounge in Dulles Hall in his honor. In August 1980 The Ohio State University presented him with a Distinguished Service Award to commemorate more than half a century of dedicated teaching and research at this institution.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**BUDGET SUMMARY (FOURTH QUARTER, 1979-80)**

Resolution No. 81-42

*Synopsis: The fourth quarter summary report of the current funds budget is presented for review.*

WHEREAS the fourth quarter report of the current funds budget for fiscal year ending June 30, 1980 is presented for review; and

WHEREAS it is noted that the actual budget/expenditures and income do not represent significant changes from those presented for the third quarter; i.e, the income varies from the third quarter estimates by 0.8 per cent and the budget expenditure figures by 0.4 per cent from the third quarter budget due primarily to changes in activity of earnings and sponsored programs; and

WHEREAS for the Columbus campus the variations were also less than one per cent for both income and budgeted expenditures; and

WHEREAS the differences between budget/expenditures and income totals, due primarily to planned restoration of balances, and capital expenditure replacements were less than 0.8 per cent:

November 7, 1980 meeting, Board of Trustees

**BUDGET SUMMARY (FOURTH QUARTER, 1979-80) (contd)**

NOW THEREFORE

BE IT RESOLVED, That the budget report for the fourth quarter, including transfers to plant funds and to endowment principal processed for the fiscal year ending June 30, 1980, be accepted.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**THE OHIO STATE UNIVERSITY  
1979-80 CURRENT FUNDS BUDGET  
ACTUAL EXPENDITURES FOR 1979-80  
(IN THOUSANDS)**

	Revised Budget June 12, 1980	Actual Expenditures/ Commitments
<b>Columbus Campus</b>		
<b>Instruction and General</b>		
Departmental Instruction and Research	\$166,565	\$165,197
Libraries	10,571	10,415
Other Academic Support	4,112	4,226
Sponsored Programs Administration	3,172	3,065
Student Services	9,608	9,318
Plant Operation	27,773	25,894
Institutional Support	17,718	18,508
Total Instruction and General	\$239,519	\$236,623
<b>Sponsored Research</b>		
Research Foundation	\$ 36,596	\$ 37,042
Engineering Experiment Station	1,731	1,940
University Sponsored Programs	1,069	1,213
Other	2,553	2,382
Total Sponsored Research	\$ 41,949	\$ 42,577
<b>Public Service</b>		
University Hospitals	\$ 87,313	\$ 89,833
Cooperative Extension Service	21,062	21,318
University Sponsored Programs	3,219	3,494
Other	16,300	15,899
Conferences	3,200	3,354
Total Public Service	\$131,094	\$133,898

November 7, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1979-80 CURRENT FUNDS BUDGET  
ACTUAL EXPENDITURES FOR 1979-80  
(IN THOUSANDS) (contd)

	Revised Budget June 12, 1980	Actual Expenditures/ Commitments
Columbus Campus (contd)		
Student Aid	\$ 6,304	\$ 6,323
Auxiliaries		
Student Housing	\$ 22,255	\$ 22,126
Intercollegiate Athletics	10,934	11,159
University Bookstores	5,574	5,934
Student Health Service	2,614	2,646
Student Unions	2,860	3,042
Parking Facilities	2,912	2,553
University Airport	2,274	2,619
Fawcett Center for Tomorrow	1,590	1,677
Other	701	916
Total Auxiliaries	\$ 51,714	\$ 52,672
TOTAL COLUMBUS CAMPUS	\$470,580	\$472,093
Regional Campuses		
Administration	\$ 196	\$ 160
Lima Campus	2,460	2,417
Mansfield Campus	2,458	2,537
Marion Campus	1,473	1,463
Newark Campus	2,013	2,124
Agricultural Technical Institute	2,735	2,766
Wright-Patterson Graduate Center	85	95
TOTAL REGIONAL CAMPUSES	\$ 11,420	\$ 11,562
TOTAL ALL CAMPUSES	\$482,000	\$483,655
Construction and Renovation Projects	\$ 2,607	\$ 3,003
Endowment Income to Principal	-0-	\$ 832
GRAND TOTAL	\$484,607	\$487,490



November 7, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
 1979-80 CURRENT FUNDS BUDGET  
 SOURCES OF INCOME TO SUPPORT 1979-80 COMMITMENTS  
 (IN THOUSANDS)

	Estimated Income June 12, 1980	Actual Income 1979-80
<b>Columbus Campus</b>		
<b>Government Appropriations</b>		
State of Ohio	\$162,381	\$162,858
Federal	60,482	60,912
Other	6,775	6,846
Subtotal	\$229,638	\$230,616
<b>Student Fees</b>		
Instruction and General	\$ 63,025	\$ 64,274
Room and Board	18,700	18,917
Other	3,570	3,568
Subtotal	\$ 85,295	\$ 86,759
<b>Other Income</b>		
Auxiliary Sales and Charges	\$108,581	\$110,290
Department and University Services	16,450	17,169
Endowment Income	4,272	4,463
Gifts and Grants	18,723	16,979
Temporary Investments	11,000	11,434
Subtotal	\$159,026	\$160,335
<b>TOTAL COLUMBUS CAMPUS</b>	<b>\$473,959</b>	<b>\$477,710</b>
<b>Regional Campuses</b>		
Lima Campus	\$ 2,790	\$ 2,826
Mansfield Campus	2,906	2,939
Marion Campus	1,765	1,706
Newark Campus	2,493	2,491
Agricultural Technical Institute	3,085	3,240
Wright-Patterson Graduate Center	85	95
<b>TOTAL REGIONAL CAMPUSES</b>	<b>\$ 13,124</b>	<b>\$ 13,297</b>
<b>GRAND TOTAL</b>	<b>\$487,083</b>	<b>\$491,007</b>

November 7, 1980 meeting, Board of Trustees

**TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1979-80**

Account Description	Account Number	Transferred from Account Number	Amount
<b>Unexpended Plant Funds</b>			
University Activities Center	082005	032851	\$ (12,368.73)
Traffic Improvements	082012	010000	(686.04)
Eleventh Avenue Ramp	082014	016007	(830,000.00)
Ninth Avenue Ramp	082029	016007	(30,000.00)
Traffic Signals	082030	016007	25,000.00
Newark Campus - Phase III	082031	010971	(3,360.45)
Finley Farm - Horse Barn	082033	011020	1,300.00
		011052	11,000.00
		011058	2,400.00
		033717	5,000.00
Veterinary Medicine - Fixed Equipment	082034	010000	1,508.00
Lima Campus - Metal Building	082035	010928	11,406.00
University Airport - Hangar 4 Addition	082036	016014	135,253.00
Weigel Hall	082037	010000	527,685.91
Zoology - Storage Building	082038	059279	2,800.00
Cancer Center	082039	010000	40,065.00
Agronomy, Natural Resources, and Plant Pathology Building	082043	010000	99,204.29
Animal Science - Beef Barn	082044	011082	5,270.00
		050404	27,280.00
Bulk Chemical Warehouse	082046	010000	665,000.00
<b>Total Unexpended Plant Funds</b>			<b>\$ 683,756.98</b>
<b>Renewals and Replacements - Remodeling and Renovation</b>			
Dormitory Contingency Fund	085049	017200	\$ 818,354.00
Page and Hagerty Halls	085059	011520	(6,451.63)
Public Safety Building	085067	016007	4,226.00
Parking Lot Repairs	085071	016007	175,000.00
Computer Design Lab	085072	010000	7,325.50
Wiseman Hall	085077	010000	2,500.00
Hagerty Hall	085084	059282	7,855.00
Sisson Hall	085087	010000	413.68
Newark Parking Lots	085091	010971	(2,049.00)
Pole Barn Repair	085094	011052	(2,479.00)
Stadium Turf Replacement	085099	016019	468,005.22
Sullivant Hall	085101	010000	96,086.00
Lord Hall	085102	010000	30,860.00
McPherson Chemical Lab	085103	010000	26,200.00
Arena - Steam Line	085104	010000	15,610.00
Hospital Modernization	085105	019000	75,000.00
St. John Arena - Lockers	085106	016019	45,943.90

November 7, 1980 meeting, Board of Trustees

**TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1979-80 (contd)**

Account Description	Account Number	Transferred from Account Number	Amount
<b>Renewals and Replacements - Remodeling and Renovation (contd)</b>			
Parks Hall	085107	010000	\$ 28,124.00
		059154	4,650.00
Dentistry Labs	085108	010000	71,420.22
Baker Systems Engineering Building	085109	010000	61,070.00
Smith Lab	085110	010000	60,277.00
McPherson Chemical Lab	085111	010000	59,579.00
Mershon Auditorium Stage	085112	010000	58,320.00
Foundry Glass Building	085113	010000	30,615.00
IRCC-CIS Computer Lab	085114	010000	42,470.00
Golf Course Dam	085115	016019	68,786.11
Orton Hall	085117	010000	60,000.00
Converse Hall - Archives	085118	010000	86,925.00
Mershon Garage	085119	016007	350,000.00
Ohio Union and Arps Parking Ramps	085120	016007	230,000.00
Lincoln Tower	085121	010000	44,500.00
Hagerty Hall	085122	011520	12,807.00
		010000	18,000.00
Galvin Hall	085123	010928	27,755.00
Fawcett Center - Food Service	085124	010000	100,000.00
Faculty Club - Improvements	085125	010000	44,000.00
Ohio Stadium - Research Space	085126	010000	280,000.00
Converse Hall - Improvements	085127	024919	165,850.00
U. S. Department of Energy - Technical Assistance Projects (Matching)	085128	014002	2,140.00
		014004	2,759.00
Mendenhall Laboratory	085130	010000	34,631.00
Law Building	085131	010000	34,053.00
Page Hall	085133	057013	82,180.00
<b>Total Renewals and Replacements - Remodeling and Renovation</b>			<b>\$3,823,311.00</b>
<b>Reserves - Repairs and Replacements</b>			
Business and Administration	086905	010000	\$ 3,104.19
University Systems	086906	010000	14,650.50
Business Management	086907	010000	9,000.00
University Treasurer	086908	010000	(4,100.00)
Physical Facilities	086909	010000	97,802.16
Police	086910	010000	(50,367.00)
Food Facility	086912	014100	14,500.00
Stores	086913	014100	32,300.00
Printing Facility	086916	014002	106,000.00

November 7, 1980 meeting, Board of Trustees

**TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1979-80 (contd)**

Account Description	Account Number	Transferred from Account Number	Amount
Reserves - Repairs and Replacements (contd)			
Bookstore	086918	016003	\$ 11,000.00
Physical Facilities - Improvements	086920	010000	10,733.54
		014010	60,000.00
		014011	70,000.00
		014110	80,897.52
University Airport	086921	011541	11,467.80
		016014	98,395.95
Meats Laboratory	086922	011072	19,000.00
Fire Safety	086923	010134	13,000.00
Housing Commission No. 2	086925	016102	6,500.00
University Properties	086026	016300	16,530.00
Endowment Properties	086927	016350	20,000.00
North Campus Apartments	086928	016390	500.00
Property Management	086929	016015	1,500.00
University Properties - Improvements	086930	016300	12,000.00
Endowment Properties - Improvements	086931	016300	6,343.00
		016390	2,000.00
North Campus Apartments - Improvements	086932	016390	7,000.00
Housing Commission No. 1 - Improvements	086933	016101	6,000.00
Housing Commission No. 2 - Improvements	086934	016102	2,500.00
Bookstore - Improvements	086937	014100	36,625.00
Telecommunications	086938	011064	(40,000.00)
ATI - Food Service	086941	010889	(2,770.00)
Internal Auditing	086944	010000	1,119.40
Accounting	086953	010000	1,126.00
Accounts Payable	086954	010000	325.00
Inventory	086955	010000	3,324.00
Laundry - Improvements	086956	014004	9,000.00
Printing Facility - Improvements	086957	014002	34,500.00
Geology	086960	010000	15,120.00
		010111	21,567.00
Dentistry	086961	010000	250,000.00
Stadium Turf	086962	016019	150,000.00
University Hospitals - Capital Equipment	086995	019000	2,469,000.00
Resident and Dining Halls	086997	017200	230,100.00
		017300	69,900.00
Equipment Reserve - Matching	086999	010000	1,500,000.00
Total Reserves - Repairs and Replacements			\$5,427,194.06
Total Transfers to Plant Funds			\$9,934,262.04

November 7, 1980 meeting, Board of Trustees

**TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1979-80 (contd)**

**RECAP**

	Account Range	Amount
Current General	010000	\$4,477,594.35
Current General - Regional Campuses	0109xx	30,981.55
Current General - Department Earnings	011xxx	48,881.17
Current General - Service Accounts	014xxx	448,721.52
Auxiliary Enterprises	016xxx	982,483.18
Residence and Dining Halls	017xxx	1,118,354.00
Hospital	019000	2,544,000.00
Current Restricted - Endowment	02xxxx	165,850.00
Current Restricted - Development Fund	03xxxx	(7,368.73)
Current Restricted - Other	05xxxx	124,765.00
Total		\$9,934,262.04
Current Unrestricted - E & G		\$5,006,178.59
Current Unrestricted - Auxiliaries		2,100,837.18
Current Unrestricted - Hospital		2,544,000.00
Current Restricted Funds		283,246.27
Total Transfers to Plant Funds		\$9,934,262.04

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**BUDGET SUMMARY (FIRST QUARTER, 1980-81)**

Resolution No. 81-43

*Synopsis: The first quarter budget summary, 1980-81, is presented for review and acceptance.*

This budget summary for the first quarter 1980-81 contains revised estimates of resource and expenditure/commitment projections as actual data have become available. Changes to the July, 1980 budget have been made to the unrestricted fund estimates of Columbus Campus income representing revised projections of indirect overhead income and a slight increase in Summer Quarter student fee income. Revisions to restricted funds net to a \$600,000 increase represent redistributions and reclassifications of grant and contract activity. Revisions to earnings operations income and expense reflect a new food service activity for Student Housing, changes in activity levels at the University Airport, and Property Management. Unrestricted commitments are not planned to increase at this time.

WHEREAS the first quarter report of the 1980-81 current funds budget covering the period July through September 1980 is presented for review by the Board of Trustees and its income expense estimates deviate by less than one-half of 1 percent from the 1980-81 budget approved by the Board in July, 1980; and

November 7, 1980 meeting, Board of Trustees

**BUDGET SUMMARY (FIRST QUARTER, 1980-81) (contd)**

WHEREAS the projected expenditures and commitments of the first quarter report for 1980-81 are supported by adequate income:

NOW THEREFORE

BE IT RESOLVED, That the accompanying first quarter budget report be accepted.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS)**

	Revised Budget July 11, 1980	Proposed Revised Budget
Columbus Campus		
Instruction and General		
Departmental Instruction and Research	\$174,967	\$174,267
Libraries	10,984	10,984
Other Academic Support	3,743	3,849
Sponsored Programs Administration	6,307	6,307
Student Services	9,888	9,877
Plant Operation	28,660	28,360
Institutional Support	19,575	19,780
Total Instruction and General	\$254,124	\$253,424
Sponsored Research		
Federally Sponsored Programs	\$ 35,980	\$ 36,730
Other Externally Sponsored Programs	10,431	10,481
Internally Sponsored Programs	511	511
Total Sponsored Research	\$ 46,922	\$ 47,722
Public Service		
University Hospitals	\$100,182	\$100,182
Cooperative Extension Service	22,044	22,144
Externally Sponsored Programs	16,062	16,162
Internally Sponsored Programs	5,572	5,572
Total Public Service	\$143,860	\$144,060

November 7, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS) (contd)

	Revised Budget July 11, 1980	Proposed Revised Budget
Columbus Campus (contd)		
Student Aid	\$ 7,019	\$ 7,019
Auxiliaries		
Student Housing	\$ 24,502	\$ 24,761
Intercollegiate Athletics	10,326	10,326
University Bookstores	6,119	6,119
Student Health Service	2,925	2,925
Student Unions	2,885	2,885
Parking Facilities	3,247	3,247
University Airport	2,567	2,917
Fawcett Center for Tomorrow	1,767	1,767
Other	886	751
Total Auxiliaries	\$ 55,224	\$ 55,698
TOTAL COLUMBUS CAMPUS	\$507,149	\$507,923
Regional Campuses		
Administration	\$ 197	\$ 197
Lima Campus	2,700	2,710
Mansfield Campus	2,700	2,730
Marion Campus	1,554	1,564
Newark Campus	2,222	2,252
Agricultural Technical Institute	2,910	2,950
Wright-Patterson Graduate Center	100	100
TOTAL REGIONAL CAMPUSES	\$ 12,383	\$ 12,503
GRAND TOTAL	\$519,532	\$520,426

November 7, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
SOURCES OF INCOME TO SUPPORT 1980-81 BUDGET  
(IN THOUSANDS)

	Revised Estimate July 11, 1980	Proposed Revised Estimate
Columbus Campus		
Government Appropriations		
State of Ohio	\$168,789	\$169,489
Federal	67,671	68,386
Other	8,312	8,362
Subtotal	\$244,772	\$246,237
Student Fees		
Instruction and General	\$ 68,590	\$ 68,760
Room and Board	19,900	20,050
Other	3,997	3,997
Subtotal	\$ 92,487	\$ 92,807
Other Income		
Auxiliary Sales and Charges	\$121,751	\$122,119
Department and University Services	15,374	15,074
Endowment Income	4,782	4,782
Gifts and Grants	20,553	20,153
Temporary Investments	7,500	7,500
Subtotal	\$169,960	\$169,628
TOTAL COLUMBUS CAMPUS	\$507,219	\$508,672
Regional Campuses		
Lima Campus	\$ 3,028	\$ 3,038
Mansfield Campus	3,104	3,134
Marion Campus	1,819	1,829
Newark Campus	2,636	2,666
Agricultural Technical Institute	3,194	3,234
Wright-Patterson Graduate Center	100	100
TOTAL REGIONAL CAMPUSES	\$ 13,881	\$ 14,001
GRAND TOTAL	\$521,100	\$522,673

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November 7, 1980 meeting, Board of Trustees

**HONORARY DEGREE**

Resolution No. 81-44

*Synopsis: Approval is requested for awarding an honorary degree.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of the honorary degree as listed below:

J. W. Peltason

Doctor of Humane Letters

NOW THEREFORE

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mrs. James, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENT TO UNIVERSITY HOSPITALS BOARD BYLAWS**

Resolution No. 81-45

*Synopsis: Amendment to University Hospitals Board Bylaws is proposed.*

WHEREAS pursuant to rule 3335-103-01 of the Administrative Code, the Board of Trustees is authorized to amend the University Hospitals Board Bylaws; and

WHEREAS an amendment to paragraph (B) of rule 3335-97-05 of the Administrative Code was approved unanimously at the University Hospitals Board meeting on September 25, 1980 for submission to the Board of Trustees; and

WHEREAS the composition of the hospital facilities committee will add the chief of medical staff or designee to the committee:

NOW THEREFORE

BE IT RESOLVED, That rule 3335-97-05 as recommended by the University Hospitals Board be approved as it is printed below with the chief of medical staff being added to the committee.

3335-97-05 Hospital facilities committee.

- (A) Purpose. The committee shall monitor the condition of the hospitals facilities and shall have the responsibility for planning and recommending additions, alterations, repair, and maintenance.

November 7, 1980 meeting, Board of Trustees

**AMENDMENT TO UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

- (B) Composition. The committee shall consist of four board members, appointed annually by the chairman of the board, one of whom shall serve as chairman of the committee; the Ohio state university vice president for health sciences or designee; the Ohio state university vice president for finance and planning or designee; the Ohio state university vice president for business and administration or designee; the medical director of the hospitals or designee; and the chief of medical staff or designee.
- (C) Meetings. The committee shall meet at the call of the chairman as often as is necessary to perform its duties.

Upon motion of Mrs. James, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT**

Resolution No. 81-46

*Synopsis: Approval is being requested for awarding degrees and certificates for Autumn Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 12, 1980, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mrs. James, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENT TO RULE 3335-3-12 VICE PRESIDENT FOR HEALTH SCIENCES**

Resolution No. 81-47

*Synopsis: Amendment to rule 3335-3-12 is being proposed.*

November 7, 1980 meeting, Board of Trustees

**AMENDMENT TO RULE 3335-3-12 VICE PRESIDENT FOR HEALTH SCIENCES (contd)**

WHEREAS the Board of Trustees pursuant to rule 3335-15-03 is authorized to amend the *Rules of the University Faculty*; and

WHEREAS it is proposed that rule 3335-3-12 (Vice President for Health Sciences) be amended to add additional principal administrative officials in the Office of Health Sciences:

NOW THEREFORE

BE IT RESOLVED, That paragraph (C) of rule 3335-3-12 be amended to add additional principal administrative officials to those presently enumerated in that rule.

3335-3-12 Vice president for health sciences.

(C) The principal administrative officials in the office of health sciences shall be the deans of dentistry, medicine, optometry, pharmacy, and veterinary medicine; the chief administrators of university hospitals and the veterinary hospital; associate vice president and/or assistant vice presidents; and such other associates as may be authorized from time to time. (B/T 7/12/74, B/T 4/6/79, B/T 11/7/80)

Mr. Havens:

Does this have anything to do with our hospitals board--do they have anything to say about this or be advised of it, or it's got nothing to do with that?

President Enarson:

Two points, Mr. Havens. One, as I recall, this matter of the internal organization was touched on lightly by Vice President Cramblett at the meeting of the hospitals board. They were not asked, as I understand, to react to it. And the second point would be that the internal configuration, including staffing, salaries, etc., is the exclusive concern of this Board.

Mr. Havens: O.K., thank you.

Upon motion of Mrs. James, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DISTINGUISHED SERVICE AWARDS**

Resolution No. 81-48

*Synopsis: Recommendation for four individuals to receive Distinguished Service Awards is proposed.*

November 7, 1980 meeting, Board of Trustees

**DISTINGUISHED SERVICE AWARDS (contd)**

WHEREAS the President's Staff, serving as a Committee on Distinguished Service Awards, has nominated and recommended four individuals for approval by the Board of Trustees to receive the Distinguished Service Award at a time convenient to the University and the recipient:

- Camille Joseph DeLor
- John D. Drinko
- Richard P. Goldthwait
- T. Scott Sutton

and

WHEREAS these awards are given in recognition of distinguished service to The Ohio State University and the awards are in accordance with action taken by the Board of Trustees in 1952:

NOW THEREFORE

BE IT RESOLVED, That the Distinguished Service Awards be approved for awarding as designated above.

Upon motion of Mrs. James, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-49

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Reappointment of Principal Administrative Official, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Title are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 3, 1980 meeting of the Board, including the following Reappointment of Principal Administrative Official, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Title as detailed in the University Budget for 1980-81, be approved.

Reappointment of Principal Administrative Official

Donald D. Glower, Dean of the College of Engineering, effective November 5, 1980, pursuant to rule 3335-3-17 of the Administrative Code.

November 7, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff Appointments**

**Effective August 13, 1980**

Name	Appointment	Clinical Division
Donald W. Knox, M.D.	Transfer from Limited to Courtesy Staff in Dermatology	Medicine
James M. Parker, M.D.	Transfer from Limited to Courtesy Staff in Neurology	Medicine
Don L. Bremer, M.D.	Attending Staff	Ophthalmology
Patricia R. Forman, M.D.	Limited Staff in General Psychiatry	Psychiatry
Allen F. Browne, M.D.	Limited Staff in Pediatric Surgery	Surgery
M. Terry McEnany, M.D.	Attending Staff (Chief of Thoracic Surgery Department)	Surgery

**Effective September 10, 1980**

Donald Woodard, M.D.	Limited Staff	Family Medicine
Kevin C. Strait, M.D.	Limited Staff	Family Medicine
Mao-Hsiung Chen, M.D.	Courtesy Staff in Cardiology	Medicine
Terrance A. Castor, M.D.	Courtesy Staff in Endocrinology and Metabolism	Medicine
James E. Hart, M.D.	Courtesy Staff	Pathology
Patricia E. Wongsam-Hussein, M.D.	Attending Staff	Physical Medicine
Susan Lee Hubbell; M.D.	Attending Staff	Physical Medicine
William David Leak, M.D.	Courtesy Staff	Preventive Medicine (Emergency Medicine)

**Effective October 8, 1980**

Julia D. Weinerman, M.D.	Attending Staff	Physical Medicine and Rehabilitation Radiology
Jean Francois Spiro, M.D.	Limited Staff in Diagnostic Radiology	Radiology
Abner Bagenstose, M.D.	Courtesy Staff (Transfer from General Medicine to Allergy)	Medicine
Herbert Bronstein, M.D.	Courtesy Staff (Transfer from General Medicine to Allergy)	Medicine
Charles Cunningham, M.D.	Courtesy Staff (Transfer from General Medicine to Allergy)	Medicine
Germaine Rupp, M.D.	Courtesy Staff (Transfer from General Medicine to Allergy)	Medicine
Damon Wetternauer, M.D.	Courtesy Staff (Transfer from General Medicine to Allergy)	Medicine
Clifford W. Lynd, Jr., M.D.	Limited Staff in General Surgery	Medicine Surgery
Marc H. Glickman, M.D.	Limited Staff in General Surgery	Surgery

November 7, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Leaves of Absence Without Salary**

JACQUELINE D. SISSON, Professor, University Libraries, effective October 14, 1980 through June 30, 1981, for personal reasons.

WILLIAM W. WAYSON, Professor, Academic Faculty of Educational Foundations and Research, effective October 1, 1980 through September 30, 1981, to work with Cleveland Public Schools.

LINDA GORDON HOWARD, Associate Professor, College of Law, effective October 1, 1980 through December 31, 1980, to continue to serve on President Carter's staff.

JAMES THOM ANDERSEN, Assistant Professor, Department of Photography and Cinema, effective October 1, 1980 through December 31, 1980, to pursue research under a Guggenheim Fellowship.

F. GREGORY ASHBY, Assistant Professor, Department of Psychology, effective October 1, 1981 through June 30, 1982, to accept a National Science Foundation postdoctoral fellowship at Harvard University.

FRANK E. BINDER, Instructor, College of Dentistry - Oral Diagnosis and Medicine, effective October 1, 1980 through September 30, 1981, for personal reasons.

**Professional Improvement Leaves**

RAYMOND W. LANG, Professor, Department of Medical Microbiology and Immunology, effective Spring Quarter 1981, Summer Quarter 1981, Autumn Quarter 1981, and Winter Quarter 1982.

WEN LANG LI, Professor, Department of Sociology, change from Autumn Quarter 1980, Winter Quarter 1981, Spring Quarter 1981 to Winter Quarter 1981, Spring Quarter 1981, and Summer Quarter 1981.

J. DENNIS NOLAN, Professor, Department of Psychology, effective Spring Quarter 1981 and Summer Quarter 1981.

**Emeritus Title**

KATHERINE G. HOCH, Department of English, with the title Assistant Professor Emeritus, effective January 1, 1981.

Upon motion of Mrs. James, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-50

*Synopsis: The report on contracts, grants, and gifts and the summary for September are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the month of September 1980, be approved.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR SEPTEMBER 1980**

Source	No. of Projects	Support Level
Office of Business and Administration	6	\$ 559,420.00
The Ohio State University Research Foundation	92	5,735,344.66
Engineering Experiment Station	13	93,664.00
		\$6,388,428.66
The Ohio State University Development Fund	6,646 Donors	\$1,395,686.24
<b>Establishment of Named Funds</b>		
The Maurice W. & H. Ethel Neidigh Scholarships in Veterinary Medicine (College of Veterinary Medicine)		\$ 19,021.35
The George D. Brush Scholarship in Ceramic Engineering (Department of Ceramic Engineering)		\$ 5,000.00
Cynthia Cook Dissertation Scholarship in Early and Middle Childhood Education (Doctoral students - Early and Middle Childhood Education)		\$ 4,540.00
<b>Report from Presidents Club</b>		
Members to date		4,412
1980: year to date		1,026
New members - September 1980		3
<b>New Presidents Club Members - September 1980</b>		
David J. Caccavello	Robert L. Chiles	
James D. Casto, II		



November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1980 through September 30, 1980

**OFFICE OF BUSINESS AND ADMINISTRATION**

Source	No. of Projects	Support Level
FEDERAL	4	\$501,420.00
STATE OF OHIO	2	201,850.00
OTHER NON-FEDERAL	1	10,000.00
GRAND TOTAL	7	\$713,270.00

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1980 through September 30, 1980

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	4	\$ 104,427.00
National Science Foundation	37	1,559,149.00
Department of Defense	23	764,930.60
Department of Energy	9	1,160,457.00
Department of Education	17	2,081,349.24
Department of Health and Human Services	59	5,940,604.00
Other Federal	34	2,495,040.21
TOTAL - FEDERAL	183	\$14,105,957.05
STATE OF OHIO	28	\$ 733,234.14
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	78	\$ 2,940,225.82
GRAND TOTAL	289	\$17,779,417.01

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1980 through September 30, 1980

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
STATE OF OHIO	3	\$ 53,479.00
INDUSTRIAL AND OTHER	137	1,082,972.00
GRAND TOTAL	140	\$1,136,451.00

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

**Federal Contracts/Grants**

\$240,608.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Hyattsville, Maryland, Health Professions Capitation Grant Program, College of Veterinary Medicine, October 1, 1980 through September 30, 1981. (Grant No. 5E03MB15704-11)

\$102,902.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Hyattsville, Maryland, Nursing Capitation Grant Program, School of Nursing, July 1, 1980 through June 30, 1981. (Grant No. 5E04NU01080-09)

\$102,606.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Hyattsville, Maryland, Health Professions Capitation Grant Program, College of Pharmacy, October 1, 1980 through September 30, 1981. (Grant No. 5E03MB15608-11)

\$55,304.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Hyattsville, Maryland, Health Professions Capitation Grant Program, College of Optometry, October 1, 1980 through September 30, 1981. (Grant No. 5E03MB15402-15)

**TOTAL - FEDERAL CONTRACTS/GRANTS** **\$501,420.00**

**State of Ohio Contract/Grant**

\$48,000.00 - State of Ohio, Department of Education, Division of Elementary and Secondary Education, Columbus, Ohio, to improve and expand nutrition education in the schools, this proposal will establish a Nutrition Education Curriculum Center to serve the needs of school systems in thirteen counties in Central Ohio, Nutrition Education and Training Center (Academic Faculty of Educational Administration, Department of Human Nutrition and Food Management, School of Allied Medical Professions, and School of Health, Physical Education and Recreation), October 1, 1980 through September 30, 1981.

**Industrial, Private, and Other Non-Federal Contract/Grant**

\$10,000.00 - Central Ohio Special Education Regional Resource Center, Columbus, Ohio, to teach five in-service courses during 1980-1981, Academic Faculty of Exceptional Children, October 6, 1980 through June 15, 1981.

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$680,000.00 - Department of Energy, Argonne, Illinois, High Energy Physics, Department of Physics (T. A. Romanowski, K. Reibel, N. W. Reay, N. Stanton, T. Y. Ling, K. Tanaka, K. Lane, S. Pinsky, W. Palmer, and W. Wada), 1 February 1980 through 31 January 1981. (Project 762116 - Continuation)

\$359,286.24 - Department of Education, Office of Education Research and Improvement, National Institute of Education, Washington, D. C., ERIC (Educational Resources Information Center) Clearinghouse on Adult, Career, and Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 14 September 1980 through 13 September 1981. (Project 760890 - Continuation)

\$330,291.00 - Department of Education, Bureau of Education for the Handicapped, Washington, D. C., Regional Resource Center for Agencies Providing Educational Services for Handicapped Children in Ohio, Indiana, and Illinois, Academic Faculty of Exceptional Children (T. M. Stephens), 1 September 1980 through 31 May 1981. (Project 762383 - New)

\$264,582.00 - National Science Foundation, Washington, D. C., Establishment of a Center for Welding Research, Department of Welding Engineering (R. B. McCauley), 1 August 1980 through 31 July 1981. (Project 762389 - New)

\$186,082.00 - Department of Education, Grant and Procurement Management Division, Rehabilitation Services Administration, Washington, D. C., Training Grant in Physical Medicine and Rehabilitation, Department of Physical Medicine (E. W. Johnson), 1 July 1980 through 30 June 1981. (Project 760750 - Continuation)

\$173,959.00 - National Occupational Information Coordinating Committee, Washington, D. C., Estimating Occupational Supply Information From Federal Reports: Issues and Concerns, National Center for Research in Vocational Education (R. E. Taylor), 15 September 1980 through 14 September 1981. (Project 762391 - New)

\$173,237.00 - Environmental Protection Agency, Washington, D. C., Fate of Environmentally Induced DNA Damage in Human Fetal Tissues, Departments of Radiology and Pharmacology (S. M. D'Ambrosio) and Department of Veterinary Pathobiology (M. Chang), 1 October 1980 through 30 September 1982. (Project 762405 - New)

\$168,736.00 - National Endowment for the Humanities, Washington, D. C., Institute on Individualized Instruction in Foreign Languages, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 1 September 1980 through 31 August 1981. (Project 762403 - New)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$160,660.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Hyattsville, Maryland, Interdisciplinary Health Care for the Aged, Department of Pathology (L. Liss) and College of Medicine - Administration (C. L. Turner), 1 October 1980 through 30 September 1981. (Project 761918 - Continuation)

\$150,280.00 - Department of Education, Office of International Education, Washington, D. C., Language and Area Center for Slavic and East European Studies; Foreign Language Area Studies Fellowships, Department of Slavic and East European Languages and Literatures (L. Twarog) and Graduate School - Administration (J. B. LaPidus), 15 August 1980 through 14 August 1981. (Project 761827 - Continuation)

\$129,130.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Associated Health Professions, Hyattsville, Maryland, Graduate Programs in Health Administration, School of Allied Medical Professions (D. C. Broski), 1 October 1980 through 30 September 1981. (Project 761329 - Continuation)

\$126,468.00 - Department of Education, Division of Program Development Dissemination and Desegregation Affairs, Washington, D. C., Teacher Training Project Leading to a B.S. and M.A. Degree in Elementary Education With Specialty in Bilingual Education, Academic Faculty of Early and Middle Childhood Education - Marion Campus (V. G. Allen), 1 September 1980 through 31 August 1981. (Project 762401 - New)

\$109,357.00 - Department of Education, Bureau of Education for the Handicapped, Washington, D. C., A Model Program for School-Aged, Mildly Handicapped Children and Their Parents - Second Year, Academic Faculty of Exceptional Children (T. E. Heron and W. L. Heward), 1 September 1980 through 31 August 1981. (Project 761808 - Continuation)

\$99,999.00 - Department of Labor, Washington, D. C., An Assessment of the Importance of Full-Time Apprentice Coordinators in Improving Program Effectiveness, National Center for Research in Vocational Education (R. E. Taylor), 15 September 1980 through 14 September 1981. (Project 762412 - New)

\$98,425.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Design of Dual Bond Antennas, Department of Electrical Engineering, ElectroScience Laboratory (B. Munk), 30 September 1980 through 30 June 1981. (Project 762413 - New)

\$97,798.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 15 September 1980 through 14 September 1981. (Project 760226 - Continuation)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$90,000.00 - Agency for International Development, Washington, D. C., Matching Formula Title XII University Strengthening Grant, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith), 1 September 1980 through 31 August 1981. (Project 761863 - Continuation)

\$83,897.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1980 through 31 August 1981. (Project 760026 - Continuation)

\$82,500.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Mining and Mineral Resources Research Institute - Annual Allotment, College of Engineering - Administration (C. J. Konya), 1 October 1980 through 30 June 1981. (Project 762416 - Continuation)

\$76,676.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Field Testing and Evaluation of the Advanced Terminal System, College of Medicine - Administration (J. L. Burson and R. C. Comer), 29 September 1980 through 28 March 1982. (Project 762398 - New)

\$75,146.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Hypocholesterolemic Agents: Stereochemical Studies, College of Pharmacy (D. T. Witiak and D. R. Feller) and Department of Pathology (H. A. I. Newman), 1 September 1980 through 31 August 1981. (Project 762769 - Continuation)

\$74,999.00 - Department of Energy, Albuquerque, New Mexico, Salt-Gradient Solar Pond Development, Department of Physics (C. E. Neilsen), 1 September 1980 through 31 January 1981. (Project 760904 - Continuation)

\$70,707.00 - Department of Health and Human Services, Social Security Administration, Gwynn Oak Branch, Baltimore, Maryland, Limitation in Function and Disability, Mershon Center for Education in National Security (S. Z. Nagi), 1 October 1980 through 30 September 1981. (Project 761717 - Continuation)

\$70,238.00 - National Science Foundation, Washington, D. C., The Soviet Leadership, The Policy Process, and Political Change, Department of Political Science and Mershon Center for Education in National Security (P. D. Stewart), 1 October 1980 through 30 September 1982. (Project 762396 - New)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$66,934.00 - Department of Health and Human Services, Region V Office, Office of Human Development Services, Administration for Children, Youth and Families, Chicago, Illinois, Child Welfare Services Training Grant (Traineeship), College of Social Work (R. O. Washington), 1 July 1980 through 30 June 1981. (Project 762378 - New)

\$62,922.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Rockville, Maryland, Development and Validation of an Interdisciplinary Screening Tool, Nisonger Center for Mental Retardation (W. E. Loadman and F. A. Benson), 1 October 1980 through 30 September 1981. (Project 762390 - New)

\$62,066.00 - Department of Education, Occupational, Adult and Indian Education Branch, Washington, D. C., Data for Analyzing National Policy Issues in Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 August 1980 through 31 January 1981. (Project 761008 - Continuation)

\$60,253.00 - Department of Labor, Washington, D. C., An Analysis of Why Business Firms Offer Employee Benefits, Department of Economics (G. E. Mumy and W. Manson), 23 September 1980 through 23 November 1981. (Project 762418 - New)

\$60,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1980 through 30 September 1981. (Project 760081 - Continuation)

\$58,331.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen-Induced Changes in tRNA Metabolism in Human Cells, Department of Physiological Chemistry (R. W. Trewyn), 30 September 1980 through 30 September 1981. (Project 762404 - New)

\$57,164.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Biological Control of Vectors of Human Disease, Department of Entomology (J. D. Briggs), 1 September 1980 through 31 August 1981. (Project 761909 - Continuation)

\$54,000.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Comprehensive Humanistic Health Care, College of Medicine - Administration (C. McPherson-Turner and L. A. Sachs), 1 October 1980 through 30 September 1981. (Project 762409 - New)



November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$52,820.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Model for Medical Treatments Evaluation, Department of Statistics (E. J. Dudewicz and J. Hsu), 1 September 1980 through 31 August 1981. (Project 761814 - Continuation)

\$50,000.00 - Department of Energy, Argonne, Illinois, Farm Ethanol Production Demonstration, Agricultural Technical Institute - Wooster Campus, (W. Longbrake), 1 September 1980 through 31 August 1982. (Project 762415 - New)

\$46,319.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Spectroelectrochemistry of Bio-Electron Transfers, Department of Chemistry (T. Kuwana), 1 September 1980 through 31 August 1981. (Project 763359 - Continuation)

\$44,654.00 - National Science Foundation, Washington, D. C., Mt. Erebus, Antarctica, Seismic Study, Institute of Polar Studies (D. H. Elliot and P. R. Kyle), 1 August 1980 through 31 July 1981. (Project 762386 - New)

\$42,653.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Intestinal Secretion Neurochemical Receptor Mechanisms, College of Pharmacy (T. S. Gaginella), 1 September 1980 through 31 August 1981. (Project 761266 - Continuation)

\$42,600.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, *In Vitro* Immunoglobulin Production in Hepatitis, Department of Medicine (R. L. Whisler), 1 September 1980 through 31 August 1981. (Project 761407 - Continuation)

\$40,099.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propeller/Rotor Icing Study, Department of Aeronautical and Astronautical Engineering (K. D. Korkan), 6 October 1980 through 5 October 1981. (Project 762399 - New)

\$40,000.00 - Environmental Protection Agency, Cincinnati, Ohio, Improved Assumptions About Liquid Flow Through Wastes, Department of Civil Engineering (C. A. Moore), 2 September 1980 through 27 May 1981. (Project 762234 - Continuation)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$38,800.00 - Department of Education, Washington, D. C., Field Testing Vocational Education Metric Modules, National Center for Research in Vocational Education (R. E. Taylor), 1 October 1980 through 30 September 1981. (Project 762425 - New)

\$33,784.00 - Small Business Administration, Washington, D. C., An Economic Analysis of Refiner-Marketer Relations in the Retail Gasoline Market, Department of Economics (H. P. Marvel), 1 September 1980 through 31 August 1981. (Project 762407 - New)

\$33,000.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and the University of Sao Paulo, Brazil, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith), 24 September 1980 through 31 August 1981. (Project 762420 - New)

\$27,073.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Hormonal and Dietary Control of ATP Citrate Lyase, Department of Food Science and Nutrition (K. L. Roehrig), 19 September 1980 through 31 August 1981. (Project 762408 - New)

\$24,200.00 - Department of the Army, Natick Research and Development Laboratories, Natick, Massachusetts, Screen Prospective TCM Replacement for Amoebicidal Properties, Department of Civil Engineering (O. Sproul and A. Rubin), 23 September 1980 through 25 October 1980. (Project 760946 - Continuation)

\$19,995.00 - National Science Foundation, Washington, D. C., Interdisciplinary Cell Culture Facility, Department of Microbiology (B. S. Zwilling), 15 October 1980 through 30 September 1983. (Project 762395 - New)

\$19,741.00 - Department of Labor, Occupational Safety and Health Administration, Washington, D. C., Development of Occupational Safety and Health Training/Education and Related Assistance Capabilities, College of Administrative Science - Continuing Education (C. J. Slanicka and R. M. Montgomery), 12 April 1980 through 30 September 1980. (Project 761381 - Continuation)

\$15,000.00 - Department of Energy, Argonne, Illinois, University Reactor Sharing Program, Engineering Experiment Station, Water Resources Center (D. W. Miller, R. D. Myser, and B. K. Hajek), 1 September 1980 through 31 August 1981. (Project 762411 - New)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$14,090.00 - Department of Energy, Oak Ridge, Tennessee, The Pre-Freshman and Cooperative Education for Minorities in Engineering (PREFACE - Program at The Ohio State University), College of Engineering - Administration (M. M. McGee), 15 March 1980 through 30 June 1981. (Project 762385 - Continuation)

\$12,362.00 - Office of Education, Office of Higher and Continuing Education, Washington, D. C., Foreign Language and Area Studies Fellowships - East Asian, Graduate School - Administration (J. B. LaPidus), Office of Academic Affairs, Center for International Studies (J. S. Adams), and Department of Anthropology (C. M. Chen), 15 August 1980 through 14 August 1981. (Project 761749 - Continuation)

\$10,002.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Test Data Processing and Analyses Related to the SR10 System, Department of Electrical Engineering (H. Hemami), 1 July 1980 through 30 December 1980. (Project 762063 - Continuation)

\$10,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright Patterson Air Force Base, Ohio, Advanced RCS Reduction, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 25 August 1980 through 24 August 1981. (Project 762363 - New)

\$10,000.00 - Department of Energy, Argonne National Laboratory, Argonne, Illinois, Development of Computer Simulations for Landfill Methane Recovery, Department of Civil Engineering (C. A. Moore), 1 September 1980 through 30 September 1980. (Project 761802 - Continuation)

\$10,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, T-Matrix Formulation to Study the Frequency Dependent Properties of Absorbing Materials, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 August 1980 through 30 April 1981. (Project 762329 - Continuation)

\$10,000.00 - Department of Agriculture, Science and Education Administration, New Orleans, Louisiana, Disappearing Disease of the Honey Bee, Department of Entomology (W. Rothenbuhler), 1 July 1980 through 15 May 1981. (Project 760706 - Continuation)

\$9,994.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Xenon Probe Laser for Atmospheric Studies, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Nordstrom), 1 August 1980 through 30 November 1980. (Project 762346 - New)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$8,494.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Analysis of Crashsurvivability Levels, Department of Mechanical Engineering (D. A. Guenther), 1 October 1980 through 30 March 1981. (Project 762428 - New)

\$8,400.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Graduate and Professional Opportunities Program Fellowships, Graduate School - Administration (A. S. Pruitt), 1 September 1980 through 31 August 1981. (Project 762138 - Continuation)

\$6,328.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, An Introductory Study of the H-Force Rotor, Department of Mechanical Engineering (H. R. Velkoff), 1 October 1980 through 31 January 1981. (Project 760964 - Continuation)

\$5,365.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Foreign Language and Area Studies Fellowships - Near and Middle East, Graduate School - Administration (J. B. LaPidus), Office of Academic Affairs, Center for International Studies (J. S. Adams), and Department of History (M. Waldman), 15 August 1980 through 14 August 1981. (Project 761759 - Continuation)

\$5,280.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Computer Modeling and Vehicle Collision Data Analysis, Department of Mechanical Engineering (D. A. Guenther), 15 September 1980 through 31 December 1980. (Project 762054 - Continuation)

\$5,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Scattering of Waves by Viscoelastic Composites and the Characterization of Their Dynamic Properties, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 22 August 1980 through 31 March 1981. (Project 762104 - Continuation)

\$5,000.00 - National Endowment for the Arts, Washington, D. C., Master Class in Choral Conducting, School of Music (M. Casey), 1 October 1980 through 30 September 1981. (Project 762400 - New)

\$4,565.60 - Department of the Navy, Naval Ocean Systems Center, San Diego, California, Technical and Analytical Study of NOSC Acoustic Scattering Model, Department of Electrical Engineering, ElectroScience Laboratory (R. G. Kouyoumjian), 2 July 1978 through 30 June 1979. (Project 760672 - Continuation)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$3,447.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, A New Method for Analysis of Coronary Artery Behavior, Department of Surgery (T. E. Williams and J. F. Cornhill), 1 July 1980 through 30 June 1981. (Project 761222 - Continuation)

\$3,163.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Side Impact Padding Integration Study, Department of Mechanical Engineering (D. A. Guenther), 15 September 1980 through 14 November 1980. (Project 762410 - New)

\$3,142.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Pedestrian Laboratory and Field Data Analysis, Department of Mechanical Engineering (D. A. Guenther), 1 July 1980 through 15 November 1980. (Project 762052 - Continuation)

\$2,463.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Frequency Response of a Head Form Impactor, Department of Mechanical Engineering (R. Singh), 8 September 1980 through 31 October 1980. (Project 762421 - New)

\$1,500.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Population Density and Habitat Selection by Breeding Yellow Rails at Seney National Wildlife Refuge, Michigan, Department of Zoology (T. A. Bookhout), 15 September 1980 through 30 June 1981. (Project 761561 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$5,133,456.84**

**State of Ohio Research Contracts/Grants**

\$48,200.00 - Ohio Board of Regents, Columbus, Ohio, CETA-Higher Education Linkage Program: Coordination and Research, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 September 1980 through 30 June 1981. (Project 762379 - New)

\$23,000.00 - Ohio Historical Society, Columbus, Ohio, Ohio Regional Archaeological Preservation Office 6A, Department of Anthropology (D. Hughes and W. Dancey), 1 October 1980 through 30 September 1981. (Project 762424 - Continuation)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$12,223.00 - State of Ohio, Department of Highway Safety, Columbus, Ohio, Driver Training for the Handicapped Institute, Office of Academic Affairs, Continuing Education - Non-Credit Programs (P. O. White and J. R. Herold), 11 September 1980 through 31 October 1980. (Project 762388 - Continuation)

\$9,850.00 - State of Ohio, Department of Health, Columbus, Ohio, Comparing Regulatory Decisions Under the 1122 and the CON Project Review Procedures, School of Allied Medical Professions (P. C. Nutt), 1 October 1980 through 30 September 1981. (Project 762392 - Continuation)

\$4,824.00 - State of Ohio, Department of Economic and Community Development, Office of Criminal Justice Service, Columbus, Ohio, A Conference Entitled, "Youth Service Planning and Coordination: A Blueprint for Action in Ohio," Office of Academic Affairs, Continuing Education - Non-Credit Programs (J. R. Herold and P. O. White), 19 September 1980 through 30 September 1980. (Project 762402 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$    98,097.00

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$187,000.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 20 August 1980 through 31 December 1980. (Project 760982 - Continuation)

\$50,000.00 - City of Columbus, Department of Community Services for the Columbus-Franklin County Consortium, Columbus, Ohio, Offender Activities Grant, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 April 1981. (Project 762350 - New)

\$36,039.00 - Kendall Demonstration Elementary School, Gallaudet College, Washington, D. C., Continuation of the Kendall Demonstration Elementary School Career Education Project, National Center for Research in Vocational Education (R. E. Taylor), 1 October 1980 through 30 September 1981. (Project 762419 - Continuation)

\$27,835.00 - Gas Research Institute, Chicago, Illinois, An Evaluation of the Critical Nature of Flaws in Plastic Pipeline Gas Distribution Systems, Department of Engineering Mechanics (C. Popelar and T. Richard), 1 October 1980 through 31 December 1980. (Project 762393 - New)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$25,986.00 - North Carolina State Board of Education, Raleigh, North Carolina, Consortium for the Development of Professional Materials for Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762384 - Continuation)

\$25,986.00 - Southern Illinois University at Carbondale, Carbondale, Illinois, Consortium for the Development of Professional Materials for Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762384 - Continuation)

\$25,798.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Relation Between Microstructure and Fracture Toughness in a High Toughness, Complex, Low Alloy Steel, Department of Metallurgical Engineering (J. P. Hirth), 15 August 1980 through 14 August 1981. (Project 761376 - Continuation)

\$25,381.00 - State of Indiana, Office of Occupational Development, Indianapolis, Indiana, Indiana Vocational Technical Education Study, National Center for Research in Vocational Education (R. E. Taylor), 1 October 1980 through 31 January 1981. (Project 762040 - Continuation)

\$25,240.50 - Adria Laboratories, Columbus, Ohio, The Effect of "Myoflex" on the Relief of Exercise-Induced Muscle Soreness, Department of Physical Medicine (D. O. Wiechers), 1 July 1980 through 30 June 1981. (Project 762417 - New)

\$20,000.00 - St. Clair County Community College, Port Huron, Michigan; State Fair Community College, Sedalia, Missouri; Washington State Community College, District 17, Spokane, Washington; North Central Technical College, Mansfield, Ohio; Cuyahoga Community College, Cleveland, Ohio; Trident Technical College, Charleston, South Carolina; City College of Chicago, Chicago, Illinois; Walla Walla Community College, Walla Walla, Washington; Kalamazoo Valley Community College, Kalamazoo, Michigan; Eastern Iowa Community College, Davenport, Iowa; Hocking Technical College, Nelsonville, Ohio; Mississippi Gulf Coast Junior College, Perkinston, Mississippi; Williamsport Area Community College, Williamsport, Pennsylvania; Orangeburg Calhoun Technical College, Orangeburg, South Carolina; Brevard Community College, Cocoa, Florida; Northern Essex Community College, Haverhill, Massachusetts; Maricopa County Community College District, Phoenix, Arizona; Oakton Community College, Morton Grove, Illinois and Bergen Community College, Paramus, New Jersey, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$15,120.00 - National Foundation - March of Dimes, White Plains, New York, Regulation of Dihydrofolate Reductase Gene Expression in Resting and Growing Fibroblasts, Department of Biochemistry (L. F. Johnson), 1 September 1980 through 30 June 1981. (Project 761289 - Continuation)

\$14,500.00 - American Chemical Society, Petroleum Research Fund, Washington, D. C., Dispersion Versus Absorption (DISPA): A New Spectral Line Shape Analysis for Inhomogenous Systems, Department of Chemistry (A. G. Marshall), 1 September 1980 through 31 August 1981. (Project 762370 - New)

\$11,533.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Alumina Tooth Implantation in Human Subjects, College of Dentistry - Crown and Bridge (R. H. Downes), 1 April 1980 through 31 August 1980. (Project 762315 - Continuation)

\$5,000.00 - World Health Organization, Special Programs for Research and Training in Tropical Diseases, Geneva, Switzerland, The Biological Control of Vectors of Human Disease, Department of Entomology (J. D. Briggs), 1 September 1980 through 31 August 1981. (Project 762422 - New)

\$3,415.00 - The Van Leer Jerusalem Foundation, Jerusalem, Israel, Study of Non-Affiliated Jewish Professors, Department of Sociology (H. Himmelfarb), Department of Psychology (G. Winer), and Department of History (M. Raphael), 1 July 1980 through 31 October 1980. (Project 762352 - New)

\$3,000.00 - San Joaquin Delta College, Stockton, California; Guilford Technical Institute, Jamestown, North Carolina and Triton College, River Grove, Illinois, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$1,634.00 - Franklin County Mental Health and Retardation Board, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 October 1980 through 31 October 1980. (Project 761912 - Continuation)

\$323.32 - Northampton County Area Community College, Bethlehem, Pennsylvania, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 26 August 1980 through 30 September 1980. (Project 768032 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$ 503,790.82**



November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$300.00 - Transportation Research Center of Ohio, East Liberty, Ohio, use of OSU/IRCC services in fiscal year 1980-81. (D-6846/312193)

**Industrial and Other Sponsored Research and Development**

\$58,657.00 - American Society of Heating, Refrigerating and Air Conditioning Engineering (ASHRAE), New York, New York, Interchangeability of Alcohols in Appliances Designed for Fuel Oils, Department of Mechanical Engineering - Fuels Laboratory, January 1, 1981 through September 30, 1981. (EES 620/529620)

\$34,707.00 - various sponsors for 11 D-projects under the direction of five engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED  
RESEARCH AND DEVELOPMENT**

**\$93,364.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$399,133.79 - Estate of Lora Kays and Warner M. Pomerene, Coshocton, Ohio, for The Warner M. and Lora Kays Pomerene Chair in Medicine.

\$88,128.00 - Trust Under the Will of Glenna R. Joyce, Columbus, Ohio, for Glenna R. Joyce Scholarship Fund.

\$62,100.00 - Ohio Lions Eye Research Foundation, Jackson, Ohio--\$22,000.00 for Ohio Lions Club Blindness Research Fund; \$15,000.00 for Institute for Research in Vision; \$4,850.00 for Lions; \$4,000.00 for Lions Research; \$4,000.00 for Lions 1977; \$4,000.00 for Pupil Fund; \$3,700.00 for Ohio Lions; \$2,200.00 for Electroencephalogram Fund; \$1,250.00 for Visual Function Fund; and \$1,000.00 for Ohio Lions Research Fund.

\$28,467.00 - The Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$26,673.00 - The Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Trust in Scholarship Fund.

\$25,000.00 - Norden Laboratories, Lincoln, Nebraska, for Veterinary Pathobiology Graduate Training Fund.

\$21,500.00 - Gannett Newspaper Foundation, Rochester, New York, for Journalism Director's Special Fund.

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$12,824.00 - Pfizer, Inc., Groton, Connecticut, for Clinical Pharmacology Fund.

\$12,604.31 - Systems Associates, Columbus, Ohio, for Cardiology Support Fund.

\$12,000.00 - Biomedics, Inc., Chicago, Illinois, for Extracorporeal Carbamylation for Treatment of Sickle Cell Disease.

\$9,678.39 - Estate Under the Will of James W. Strong, Lima, Ohio, for Hope Strong Journalism Fund.

\$7,381.02 - Ohio Farmers Insurance Co., Westfield Center, Ohio (given in the name of Arthur C. Dannecker, Jr.), for Ohio 4-H Foundation Support Fund.

\$7,247.51 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$6,400.00 - The Lubrizol Foundation, Cleveland, Ohio--\$2,400.00 for Lubrizol Foundation Scholarship Fund; \$2,000.00 for Lubrizol Foundation Scholarship Fund for Chemical Engineering; and \$2,000.00 for Lubrizol Foundation Fellowship Fund for Chemistry.

\$6,001.19 - Arthur R. Magnuson, Columbus, Ohio (given in the name of Dan Magnuson), for Student Athlete Grant-in-Aid Endowment Fund.

\$6,000.00 - Carrier Corporation, Syracuse, New York, for Carrier Fund.

\$6,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$6,000.00 - Glass Packaging Institute, Washington, D. C., for Engineering Mechanics Chairman's Discretionary Fund.

\$6,000.00 - Eli Lilly and Company, Indianapolis, Indiana, for Physiological Chemistry Research.

\$6,000.00 - Specialty Food Products, Woodbridge, New Jersey, for Food Ingredient Technology Corporation Graduate Research Fund.

\$5,800.00 - Texas Marketing Area, Order No. 1126, Dallas, Texas, for Ohio Agricultural Business Fund.

\$5,520.00 - Dade Diagnostics, Inc., Aguada, Puerto Rico, for Department of Veterinary Clinical Sciences Blood Coagulation Research Fund.

\$5,100.00 - American Foundation for Pharmaceutical Education, Fair Lawn, New Jersey, for American Foundation for Pharmaceutical Education Fellowship Fund.

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$5,000.00 - Robert L. Chiles, Newark, Ohio, for Student Athlete Grant-in-Aid Endowment Fund.

\$5,000.00 - General Electric Foundation, Stamford, Connecticut, for Affirmative Action Program in Engineering Fund.

**Gift-in-Kind**

\$6,225.00 - Frederick G. Ruffner, Detroit, Michigan.

**Establishment of Named Funds**

**The Maurice W. & H. Ethel Neidigh Scholarships in Veterinary Medicine**

The Maurice W. & H. Ethel Neidigh Scholarships in Veterinary Medicine was established November 7, 1980, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the estate of Maurice W. and Ethel Neidigh, formerly of Centre County, Pennsylvania.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest or reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students studying veterinary medicine at the University. The selection of the recipient(s) is to be made upon the recommendation of a scholarship committee in consultation with the Dean of the College of Veterinary Medicine in cooperation with the Office of Student Financial Aids.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medicine scholarships.

**The George D. Brush Scholarship in Ceramic Engineering**

The George D. Brush Scholarship in Ceramic Engineering was established November 7, 1980, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Scioto Savings Association in memory of George D. Brush, B.S.C.E. '21, late of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

November 7, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The George D. Brush Scholarship in Ceramic Engineering (contd)**

The annual income is to be used to provide scholarship assistance to undergraduate students enrolled in the Department of Ceramic Engineering. The selection of the recipient is to be made on the basis of financial need, as determined by standard university procedures. However, the selection of the recipient is to be made upon the recommendation of the Chairman of the Department of Ceramic Engineering.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate official of the University who is then directly responsible for ceramic engineering education.

**Cynthia Cook Dissertation Scholarship in Early and Middle Childhood Education**

The Cynthia Cook Dissertation Scholarship in Early and Middle Childhood Education was established November 7, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of Cynthia Cook.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal is to be used to provide scholarships for one or more doctoral students for their dissertation costs in Early and Middle Childhood Education or the general area of reading. Students must submit a letter of interest and four copies of their research proposal and research costs to the Cindie Cook Scholarship Committee. The selection of the recipient shall be made by the Cindie Cook Scholarship Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for early and middle childhood education.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-51

*Synopsis: Approval of plans and specifications is being proposed for the following project.*

November 7, 1980 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimate of cost for the following project:

**NOVICE G. FAWCETT CENTER FOR TOMORROW, AUXILIARY FOOD FACILITY**

**Project:** Provide an evening food service for patrons of the Novice G. Fawcett Center for Tomorrow during hours when the dining room is closed. This facility will provide hotel guests with convenient, light food and assorted beverages within the building. A portion of the present dining room will be partitioned to provide space for this facility.

**Funding:** Budget Account 885124

**Estimated Project Cost:** \$100,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimate of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to award the necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-52

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimate of cost for the following project:

November 7, 1980 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**MATHEMATICS BUILDING, EXTERIOR MASONRY REPAIRS**

Project: Emergency repairs to the south face of the building. The brick bond in this area has failed, requiring removal of a portion of the brick and complete restoration.

Funding: Budget Account 885143

Estimated Project Cost: \$30,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the Purchasing Department of the University be authorized to proceed with the solicitation of bids for the above project in accordance with normal procedures established for receipt of bids.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACT**

Resolution No. 81-53

*Synopsis: Awarding of contract for French Field House, Renovation of Running Track is recommended.*

WHEREAS The Ohio State University Purchasing Department solicited bids for the following project which were received and opened on August 11, 1980.

**FRENCH FIELD HOUSE, RENOVATION OF RUNNING TRACK**

Description: Renovation of 200 meter track surface by placing new material over present surface and painting new track lines and required metric markings.

This work has been partially funded by receipt of a gift from James D. Casto designated as the French Field House Track Fund. The receipt of the gift was reported to the Board of Trustees at the meeting held September 5, 1980.

November 7, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT (contd)**

**FRENCH FIELD HOUSE, RENOVATION OF RUNNING TRACK (contd)**

General Contract

Date Received:	August 11, 1980
No. of Bids:	3
Low Bid:	\$82,500.50*
High Bid:	\$92,090.00
Estimate of Cost:	\$88,000.00
Awarded to:	Clinton Asphalt Company, Wilmington, Ohio
Total Contract:	\$82,500.50
Funding:	Donation (\$50,000) and remaining funds from Athletic Revenues

\*The General Contract is recommended for award to the second lowest bidder. The bid submitted by the low bidder was rejected for failure to offer proper warranty as required by specifications.

**NOW THEREFORE**

**BE IT RESOLVED**, That the report of award of contract for the French Field House, Renovation of Running Track, be approved.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 81-54

*Synopsis: Contracts have been awarded for the projects enumerated below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

November 7, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**UNIVERSITY AIRPORT, APRON AND RUNWAY IMPROVEMENTS, PHASE II**

Description: Continuation of the rehabilitation of apron areas, provide site preparation, replace beacon light and improve access to taxiways.

**General Contract**

Date Received:	September 30, 1980
No. of Bids:	6
Low Bid:	\$229,980.84*
High Bid:	\$277,575.87*
Estimate of Cost:	\$271,072.00*
Awarded to:	Central Ohio Asphalt Paving, Inc., Hilliard, Ohio
Total Contract:	\$229,980.84
Total Contingency Allowance:	\$ 19,534.66 which is 8 per cent of construction contracts
Total Project Cost:	\$293,955.00
Funding:	Federal Aviation Administration Grant

\*Recommended alternates reflected in these figures.

**ROBINSON LABORATORY, REPLACE HVAC UNIT**

Description: Replace second floor HVAC unit. The existing unit is over twenty years old and is a high maintenance cost item.

**Heating, Ventilating and Air Conditioning Contract**

Date Received:	October 16, 1980
No. of Bids:	5
Low Bid:	\$118,700.00
High Bid:	\$126,950.00
Estimate of Cost:	\$127,200.00
Awarded to:	Julian Speer Company, Columbus, Ohio
Total Contract:	\$118,700.00
Total Contingency Allowance:	\$ 6,809.75 which is 6 per cent of construction contract
Total Project Cost:	\$132,200.00
Funding:	Budget Account 210134 (Contract Repair 1980-81)



November 7, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**LARKINS HALL, EXTERIOR MASONRY REPAIRS**

Description: Cut out and repair existing deteriorated masonry on the old part of the Peppe Aquatic Center of Larkins Hall.

**General Contract**

Date Received:	September 26, 1980
No. of Bids:	1
Low Bid:	\$ 55,189.00* **
Estimate of Cost:	\$ 63,927.00*
Awarded to:	Raymond E. Kelley, Inc., Bowmansville, New York
Total Contract:	\$ 55,189.00
Total Contingency Allowance:	\$ 2,273.26 which is 4 per cent of construction contract
Total Project Cost:	\$ 58,927.00
Funding:	Budget Account 210134 (Contract Repair 1980-81)

\* Recommended alternate reflected in these figures.

\*\*Only one bid received on this project.

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**SALE OF PROPERTY - 380 KING AVENUE**

Resolution No. 81-55

*Synopsis: Sale of property, 380 King Avenue, is proposed.*

WHEREAS Maude Morrill Haskett by will devised to the University property located at 380 King Avenue at the termination of the life estate of Helen G. Morrill; and

WHEREAS the University purchased the remaining life estate of Helen G. Morrill on June 1, 1976; and

November 7, 1980 meeting, Board of Trustees

**SALE OF PROPERTY - 380 KING AVENUE (contd)**

WHEREAS the terms of Maude Haskett's will directed that upon termination of the life estate, the University should sell the property and use the income from the investment for the sole purpose of maintaining the Frank H. Haskett Memorial Scholarship; and

WHEREAS a firm offer to purchase said property for \$8,100 has been received from Robert E. Owens; and

WHEREAS the appropriate University departments and Robert E. Owens are in mutual agreement as to the selling price:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to sell said property in the name of the Board of Trustees of The Ohio State University, on behalf of the Development Fund, the proceeds from such sale to be channeled through the Development Fund.

Mr. Redman: All I'd like to ask is what you can buy for \$8,100.

Mr. Havens: 380 King Avenue.

President Enarson: The house has been demolished.

Mr. Redman: Is this unimproved real estate?

Mr. Jackson:

Yes, it's unimproved real estate and the purchaser has agreed to build a facility which is compatible with local architecture, so we're pleased with that.

Mr. Redman: How big a lot is it?

President Enarson: What is meant by compatible local architecture, I'd rather you'd not ask.

Mr. Redman: I'm not going to ask that--

Dr. Jacob: It's got an MAI appraisal of \$6,000 on it, but it's a year old.

Mr. Havens: There's a lot description back there, but it doesn't show the size.

Dr. Vandament: It's a standard city lot there.

Mr. Redman: I was born and raised in that square.

Mr. Jackson: It's a corner lot; it's a rather deep lot; it's not very wide.

Mr. Redman: Thank you.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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November 7, 1980 meeting, Board of Trustees

**EASEMENTS - COLUMBIA GAS OF OHIO, INC.**

Resolution No. 81-56

*Synopsis: Renewals of two easements to Columbia Gas of Ohio, Inc., are proposed.*

WHEREAS Columbia Gas of Ohio, Inc., has requested renewal of a 15-year easement for a 4-inch gas line and regulating station from a location on Kenny Road near Ackerman Road to the University Service Center located at 2578 Kenny Road; and

WHEREAS Columbia Gas of Ohio, Inc., has requested renewal of a 15-year easement for a 12-inch gas line and regulating station from a location on Ackerman Road, west of Olentangy River Road to a meter location on Olentangy River Road south of Lane Avenue, then east and south to the University's Power Plant located at 2003 Millikin Road; and

WHEREAS said easements were initially granted on October 21, 1965; and

WHEREAS said easements will expire on October 20, 1980; and

WHEREAS said easements are essential to the continued operation of the University; and

WHEREAS said easements will be granted for \$1 each, as the installation and renewal thereof facilitate only The Ohio State University; and

WHEREAS the appropriate University agencies have recommended that said easements be granted:

**NOW THEREFORE**

**BE IT RESOLVED**, That the President and/or Vice President for Business and Administration be authorized to request the Director of the Department of Administrative Services, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide for the two 15-year easements hereinbefore described.

Upon motion of Mr. Hilliker, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**LETTER OF INTENT--RADIATION THERAPY SERVICES**

Resolution No. 81-57

*Synopsis: Letter of Intent to the Director of the Ohio Department of Health for Radiation Therapy Services is requested to be approved.*

WHEREAS pursuant to rule 3335-93-02 of the Administrative Code, the University Hospitals Board has recommended the approval of the intent of the Hospitals to submit a Certificate of Need for the expansion of the Radiation Therapy Services:

**NOW THEREFORE**

**BE IT RESOLVED**, That upon the recommendation of the University Hospitals Board the Letter of Intent for Radiation Therapy Services be approved.

Upon motion of Mrs. James, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

The Ohio State University

Office of Vice President  
for Health Sciences

218 Medical Administration Center  
370 West Ninth Avenue  
Columbus, Ohio 43210  
Phone 614 422-1815

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November 3, 1980

John H. Ackerman, M.D., M.P.H.  
Director  
Ohio Department of Health  
P. O. Box 118  
Columbus, Ohio 43216

Attention: Certificate of Need

Dear Dr. Ackerman:

This is a Letter of Intent submitted in accordance with the Ohio Administrative Code, Chapter 3701-8. The sponsor is The Ohio State University Hospitals, 410 West Tenth Avenue, Columbus, Ohio 43210. The Hospitals is a department of The Ohio State University, an agency of the State of Ohio.

The purpose of this letter is to inform you of the intent of the Hospitals to submit a Certificate of Need for the expansion and upgrading, including the purchase of equipment, of the Hospitals' existing on-site Radiation Oncology (radiation therapy) service. It is expected that the project will result in the net increase of one megavoltage radiation therapy unit. The new construction is projected to add approximately 16,000 square feet to the Radiation Oncology service.

The total project cost is estimated at not more than \$9,000,000 of which an estimated \$400,000 will be for predevelopment expenditures. The earliest anticipated date of submission of the application is January, 1981.

The Radiation Oncology service at the Hospitals was established in 1961. The present facilities are now outmoded and inadequate for the volume and scope of services provided. Accordingly, we have been planning for an expansion and upgrading of this area since 1974. As you know, the pending Capital Appropriations Bill contains an item which, when the Bill is passed, will provide funding for this project.

Sincerely,

Henry G. Cramblett, M.D.  
Vice President

cc: Gordon M. Labuhn, Mid-Ohio Health Planning Federation

HGC:jcs

November 7, 1980 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-58

RESOLVED, That the report on the University's Investment Portfolio, dated October 17, 1980, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**COMMENTS BY PRESIDENT HAROLD L. ENARSON**

Mr. Chairman and Members of the Board, for the benefit of those Board members who were not here this morning, we did hear a report from Dr. Vandament with respect to the physical master plan. It was a report which tried to portray, perhaps in oversimplified fashion, the growing need for additional dollars for utilities and renovation and for our work on an aging physical campus. I thought it was a very illuminating overall perspective.

We also had a report from Dr. Vandament and Dr. Loucks, the assistant director of registration services, on the first quarter enrollment breakdown by types and categories, and we also had a report on OSU student characteristics. We'll see that each of you get copies of both of these handouts in the event that you do not have it. I am tempted to say also that with respect to OSU student characteristics, as far as I can tell, they seem generally happy. It's hard to believe that we are already almost half through the first quarter. I think things are going, on the whole, rather well. As you know, we live under enrollment ceilings imposed by the General Assembly. We do not quarrel with those ceilings; we feel honor-bound by law and in good conscience to abide by those ceilings. We work extremely hard at the process, and when we go over with respect to enrollment, it's not by design, it's because nobody can prophesy precisely how many students of those applying will actually attend, and certainly we can't predict how many of those now enrolled or enrolled last year will return. It's a measure of the size and impact of this University that the growth in any one year such as this may be in excess of the size of the typical liberal arts college. It's all a bit awesome. I have nothing else to report; I would simply hope that all of you will be in the homecoming parade tonight and will help celebrate very quietly the victory over Michigan.

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Thereupon the Board adjourned to meet Thursday, December 11, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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APPENDIX II

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

December 12, 1980

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## Recipients of Honors

### **Mary Rosamond Haas**

Internationally recognized linguistics scholar, Mary Rosamond Haas is acknowledged as the leading senior figure in the study of native American languages. Her work and that of her students comprise the largest and most significant body of research on American Indian languages in the last 40 years. Her meticulous studies of the Thai and American Indian languages and cultures stand as scholarly landmarks. She has opened the way to new understandings of language and culture throughout the world. The Ohio State University is privileged to honor Mary Rosamond Haas for her long and illustrious career as research scholar, teacher, and author, and for her many contributions to knowledge.

### **Frederick G. Kilgour**

Widely recognized innovator in the field of library science, Frederick G. Kilgour has won international acclaim for his leadership in applying computer technology to libraries. He is the principal architect of OCLC, Incorporated, a computer-based network that had its beginnings at this University. Today OCLC links more than 2,000 libraries in the United States and Canada. Soon the network will include major libraries in Europe. As a direct result of his unique contributions to information management, libraries now enjoy significant new economies and services. In testimony to the scholarly commitment that has marked his distinguished career, information is being placed at the service of people in new and imaginative ways.

### **J. W. Peltason**

First as teacher and scholar in political science, then as academic administrator in major universities, and now as president of the American Council on Education, J. W. Peltason has served higher education with unique dedication and distinction. As chancellor of the University of Illinois during a decade of unrest and change, he demonstrated the sensitivity and strength that mark the gifted leader. Now, as the leading spokesman for higher education in Washington, he represents the academy with energy, wisdom, and, above all, with great vision. The Ohio State University is privileged to honor J. W. Peltason for his many contributions as an academic statesman of the highest order.

### **Howard Rosen**

Almost single-handedly, Howard Rosen has advanced the frontier of human resource research. During the past 15 years, he has opened the way for American universities to study the development and utilization of human resources. He has nurtured a scholarly community to conduct such research and has used its findings to shape national policy. During his long and distinguished career with the Department of Labor, he has exemplified the highest traditions of public service. Under his creative leadership, government and the academy have worked in partnership and have forged a new understanding of the American labor force as a unique resource essential to the national well-being.

## Distinguished Service Award

### C. Joseph DeLor

Distinguished medical educator, physicians' physician, C. Joseph DeLor served this University for more than 40 years with singular dedication and devotion. His concern for the care of the whole person and his ability to impart this concern to his students reflect his unique gifts as physician and teacher. An outstanding citizen of this academic community, he repeatedly undertook major teaching and administrative assignments for the advancement of medical education and patient care. Through the thousands of practicing physicians who were his students and through his many contributions to this University, the life and good work of C. Joseph DeLor continue as a vital force in education and the healing arts.

### T. Scott Sutton

Outstanding scientist, respected teacher, dedicated administrator, T. Scott Sutton served this University for 38 years—as faculty member, department chairman, associate dean of the College of Agriculture and Home Economics, and as assistant director of the Ohio Agricultural Research and Development Center. He is recognized nationally for his early work on vitamin A and his research in animal nutrition. With great distinction, he served in Ohio State's program overseas and laid the groundwork for the development of three agricultural universities in India. His commitment to scholarship and service exemplifies the land-grant ideal in its highest form. His long and distinguished career remains an enduring example to all who follow academic pursuits.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Musical Arts

John Wesley Golightly, Orangevale, Calif.; B.S.Mus. (Hardin-Simmons University); M.Mf. (Texas Christian University); *Music*; Dr. Sylvia A. Zarembo

Trucilla Marie Sabatino, Windgap, Pa.; B.A., M.F.A. (Pennsylvania State University); *Music*; Dr. Mario K. Aleh

## Doctor of Philosophy

Dulce Maria de Acosta, Valencia, Venezuela; B.B.A. (University of Wisconsin); M.L.H.R.; *Interdisciplinary: Economics, Education, Preventive Medicine*; Dr. Samuel C. Kelley

Christine Kay Adams, Fairborn; M.A.; *Psychology*; Dr. Lyle D. Schmidt

Gerhardt Kenneth Andeen, Springfield; A.B. (Augustana College); M.A.; *Education*; Dr. Roy A. Larmee

Anne Lenore Ayres, Covina, Calif.; A.B. (Stanford University); M.A.; *Psychology*; Dr. Nancy E. Betz

David Dale Baker; B.S.Ed., M.A.; *Education*; Dr. Roy A. Larmee

Barbara Jane Banks, Miami, Fla.; B.A. (University of Southern Florida); *Communication*; Dr. William R. Brown

Cecilia Rose Barron, Columbus; B.S.N. (Georgetown University); M.Ed. (Columbia University); *Psychology*; Dr. Henry R. Angelino

Susan Gordon Blough, Columbus; B.S. (University of Wisconsin); M.A. (Case Western Reserve); *Education*; Dr. Anthony C. Riccio

Robyn Sue Bohme, Rose Bay, Australia; Diploma in Music Edu. (Alexander Mackie College); M.A.; *Music*; Dr. Jerry Lowder

Rosemary Bollig, Columbus; B.S. (Pennsylvania State University); M.Ed.; *Education*; Dr. Charles Wolfgang

Harold Kent Brown, Ft. Lauderdale, Fla.; B.S.E.P. (Florida Institute of Technology); M.S.; *Electrical Engineering*; Dr. Martin O. Thurston

Alexander Andrew Carey, Falls Church, Va.; B.S. (University of Notre Dame); M.S.; *Chemistry*; Dr. Eugene P. Schram

James Roland Carter, West Hempstead, N. Y.; B.S.; *Philosophy*; Dr. Virgil G. Hinshaw, Jr.

Ralph Gordon Charles Carter, III, Wichita Falls, Tex.; B.A. (Midwestern University); M.A.; *Political Science*; Dr. Charles F. Hermann

Yueting Chou, Taipei, Taiwan, R.O.C.; B.S. (National Cheng Kung University); *Chemistry*; Dr. Jack Hine

Samuel Greg Covault, Worthington; B.S. (Miami University); M.A.; *Physical Education*; Dr. Donald K. Mathews

Kathleen Susan Cox, San Bruno, Calif.; B.A., M.A. (University of California); *Education*; Dr. Gilbert A. Jarvis

Steven Ray Cox, Raytown, Mo.; B.S. (University of Missouri); M.S.; *Pharmacy*; Dr. Alfred E. Staubus

Donald Richard Darrow, Cedar Falls, Ia.; B.A. (Iowa State Teachers College); M.A.Ed. (State College of Iowa); *Education*; Dr. Willis E. Ray

Carlos Humberto Del Campo, Valdivia, Chile; Medico Veterinario (Universidad de Chile); *Veterinary Anatomy*; Dr. Bettina G. Anderson

Ronald Harrison Doughty, Columbus; B.S. (Bowling Green State University); M.A.; *Political Science*; Dr. John Champlin

Allen Joseph Dybas, Liverpool, N. Y.; B.S. (State University College at Oswego); *Education*; Dr. Willis E. Ray

Donald D. Dyck, Columbus; A.B., M.A.T. (Indiana University); *Education*; Dr. Donald P. Sanders

Catherine Weber Dygert, Worthington; B.S. (Michigan State University); M.A.; *Education*; Dr. Joseph J. Quaranta, Jr.

Charles Marc Edelsberg, Providence, R. I.; B.A.; M.A.T. (Brown University); *Education*; Dr. Donald R. Bateman

Barry Alan Eisenberg, San Luis Obispo, Calif.; B.S. (California Polytechnic State University); M.S.; *Horticulture*; Dr. George L. Staby

Richard Allen Ellis, New Philadelphia; B.S., M.S.; *Education*; Dr. Robert Howe

Myrna Lois Friedlander, Albany, N. Y.; B.A. (Case Western Reserve University); M.A. (George Washington University); *Psychology*; Dr. Theodore J. Kaul

Kenneth Harding Funk, II, Mansfield; B.A. (Taylor University); M.S.; *Industrial and Systems Engineering*; Dr. Richard A. Miller

Vicki Ann Funk, Owensboro, Ky.; B.S., M.A. (Murray State University); *Botany*; Dr. Tod F. Stuessy

Gonzalo Garcia, Jr., San Antonio, Tex.; B.A. (University of Texas); M.A.; *Education*; Dr. Aaron J. Miller

Patricia Irene Gilbert, Fairborn; B.A. (Miami University); M.Ed. (Wright State University); *Education*; Dr. Victor M. Rentel

Alfred Joseph Gironi, Jr., Harrisburgh, Pa.; B.S., M.Ed. (Shippensburg State College); *Education*; Dr. Charles Galloway

Philip William Glasgo, Loudonville; B.S. (Ohio University); M.A.; *Business Administration*; Dr. David W. Cole

Kent Russell Glaus, Mogadore, B.S. (Kent State University); M.S.; *Genetics*; Dr. Philip S. Fertman

M. Ellen Huffman Goldsberry, Athens; B.S. (Wayne State University); M.S. (Ohio University); *Home Economics*; Dr. Lois E. Dickey

Judith Ann Golec, Sault Ste. Marie, Ontario, Canada; B.A., M.A. (University of Western Ontario); *Sociology*; Dr. Enrico L. Quarantelli

Marilyn L. Grady, Columbus; B.A. (Saint Mary's College); M.S. (Eastern Illinois University); *Education*; Dr. Virgil E. Blanke

Patricia Ann Greiner, Mount Jay, Pa.; B.A. (University of Delaware); M.A.; *English*; Dr. Mark S. Auburn

June Irene Hahn, Plain City; B.S. (University of Missouri); M.A.; *Psychology*; Dr. Mari R. Jones

Muhammad Abdul Hannan, Dacca, Bangladesh; M.Sc. (American University of Beirut); M.Sc. (University of Dacca); *Agronomy*; Dr. Trevor G. Arscott

Mark D. Harbaugh, Rice Landing, Pa.; B.S. (California State College-Pa.); M.Ed. (North Carolina State University); *Comprehensive Vocational Education*; Dr. Dewey A. Adams

Sheryl Jeanne Hays, Prairie Village, Kans. B.A. (University of Kansas); M.S.; *Pharmacy*; Dr. Neil J. Lewis

David Frank Heidel, Cincinnati; B.S. (Miami University); M.S.; *Physics*; Dr. James C. Garland

Robert James Higgins, Auburn, Ala.; B.S. (University of Queensland); *Veterinary Pathobiology*; Dr. Adalbert Koestner

David John Hildreth, Delhi, N. Y.; B.S.; M.S. (Ohio University); *Education*; Dr. Alan R. Osborne

Alexander Hinko, Scranton, Pa.; B.S. (Pennsylvania State University); M.S.; *Environmental Biology*; Dr. Sheldon Lustick

Robert Lee Houston, Heath; B.S. (Purdue University); M.S.; *Mechanical Engineering*; Dr. Seppo A. Korpela

William Frederick Hoyt, Columbus; B.A., M.C.P.; *Geography*; Dr. Lawrence A. Brown

Jim Eghe Igbinedion, Benin City, Nigeria; B.Sc. (University of Ibadan); *Animal Science*; Dr. Vern R. Cahill

Joyce Karen Illfelder, Dumont, N. J.; A.B. (Cornell University); M.A.; *Psychology*; Dr. Samuel H. Osipow

Ibrahim Ahmed Ismail, Camden, Wis.; B.A. (Rutgers University); M.S.; *Chemistry*; Dr. Miles K. Chedekel

Thomas Wesley Johnson, Fairborn; B.S.Elec.Eng., B.S.Mec.Eng., M.S.Elec.Eng. (Massachusetts Institute of Technology); *Electrical Engineering*; Dr. David L. Moffatt

Margot Kaebling, Federal Republic of Germany; B.S., M.S.; *Genetics*;

- Jeffrey Joseph Karrenbauer, Canton; B.B.A. (University of Notre Dame); M.A.; *Business Administration*; Dr. Bernard J. LaLonde
- Tae Jung Kim, Yonkers, N. Y.; B.S., M.S. (Seoul National University); *Electrical Engineering*; Dr. Gary A. Thiele
- Duane M. Kirking, Lodi, Wis.; B.S. (University of Wisconsin); M.A.; *Pharmacy*; Dr. T. Donald Rucker
- Sarah Aplin Rowland Kocsis, Columbus; B.A. (Ohio Wesleyan University); M.A.; *Psychology*; Dr. Philip M. Clark
- Maureen Therese Krause, Chicago, Ill.; B.A. (Northwestern University); M.A.; *German*; Dr. Gisela M. Vitt
- Paul E. Kreter, Riverside, Calif.; B.S. (University of California); *Chemistry*; Dr. Devon W. Meek
- Dah-Yang Kwan, Kowloon, Hong Kong; B.S. (National Central University); M.A. (University of South Florida); *Physics*; Dr. Charles A. Ebner
- James Edward LaPorte, The Dalles, Ore.; B.S., M.Ed. (Montana State College); *Education*; Dr. Willis E. Ray
- Bom Soon Lee, Seoul, Korea; B.S. (Seoul National University); M.S.; *Metallurgical Engineering*; Dr. Robert A. Rapp
- Tak Wai Leung, Hong Kong; B.S. (University of Texas, Arlington); *Chemistry*; Dr. Andrew Wojcicki
- Pei-Kee Lin, Taipei, Taiwan; B.S. (Tsing Hua University); M.S.; *Mathematics*; Dr. William J. Davis
- Nigel Stuart Lockyer, Toronto, Ontario, Canada; B.S. (York University); M.S.; *Physics*; Dr. Thomas A. Romanowski
- Jane Ramsey Logan, Richmond, Va.; B.S. (Indiana State University of Pennsylvania); M.S. (Ohio University); *Home Economics*; Dr. Rachel M. Hubbard
- Christopher Dunbar Lorish, Columbus; B.A. (Ohio Wesleyan University); M.A.; *Education*; Dr. John Hough
- Mary McDonald Makay, Columbus; B.A. (Western Michigan College); M.S. (Purdue University); *Education*; Dr. Joseph J. Quaranta, Jr.
- Vera Maletic, Columbus; Diploma, Certificate (University of Zagreb); *Interdisciplinary: Physical Education, Dance, Art Education, Psychology, Communication*; Dr. Seymour Kleinman
- Jonpaul Rogers Martin, Leavittsburg; B.A., M.A.; *Psychology*; Dr. Neol F. Johnson
- Jane Mayo-Chamberlain, Columbus; B.A. (Mount Holyoke College); M.A.; *Education*; Dr. Robert R. Bargar
- Michael Jay Meldrum, Pocatello, Ida.; B.A. (Weber State College); M.S. (Idaho State University); *Pharmacy*; Dr. Michael C. Gerold
- Christine Marie Mitchell, Cleveland Heights; B.A. (University of Dayton); M.S. (John Carroll University); *Industrial and Systems Engineering*; Dr. Richard A. Miller
- Soheyl Moayed-Amini, Tehran, Iran; Licent (National University of Iran); *Sociology*; Dr. Alfred C. Clarke
- Paul Edwin Moffitt; B.S., M.S.; *Animal Science*; Dr. George R. Wilson
- Atef Bassili Moussa, Cairo, Egypt; B.Civ.Eng. (Cairo University); B.Sc. (Ain Shams University); *Civil Engineering*; Dr. Alfred G. Bishara
- Mostafa Kamel Hussein Nosseir, Rio de Janeiro, Brazil; B.S. (Alexandria University); M.S. (Institute of Space Research); *Agronomy*; Dr. George F. Hall
- Timothy Lee Nyerges, Parma; B.A., M.A.; *Geography*; Dr. Harold J. Moellering
- Nickolas John O'Donnell, Buffalo, N. Y.; B.S. (State University of New York at Buffalo); *Pathology*; Dr. John A. Lott
- Janice Owens-Lane, Philadelphia, Pa.; B.A. (Wilberforce University); M.S.W. (University of Pittsburgh); *Psychology*; Dr. Andrew I. Schwebel
- Keon Yang Park, Pusan, Korea; B.E. (Hamyang University); *Chemical Engineering*; Dr. Robert S. Brodkey
- Michael Paschalis, Agioi Anargyroi, Athens, Greece; Ptychion (National University of Athens); Laurea in Letters (University of Bologna); *Classics*; Dr. Mark F. O. Morford
- Marianne Leeson Patten, Salem; B.A. (College of Saint Mary of the Springs); M.A.; *Psychology*; Dr. Samuel I. Osiipow
- Donald Burchell Paul, Dayton; B.S. (Michigan State University); M.S. (University of Southern California); *Mechanical Engineering*; Dr. Lit S. Han
- Patricia Likert Pohlman, Columbus; A.B. (University of Michigan); M.A.; *Psychology*; Dr. W. Bruce Walsh
- William James Polinski, Lakewood; B.S., M.S. (Ohio University); *Physiology*; Dr. Jack A. Rall
- Jackie Lee Pritchard, Eastlake; B.A. (University of Oregon); M.A.; *Anthropology*; Dr. Frank E. Poirier
- Richard Theodore Pruiksmas, Wyckoff, N. J.; B.S. (Iowa State University); M.S.; *Chemistry*; Dr. Richard L. McCreery
- Carol Anne Rotillie-Quinter, Columbus; B.S., M.S.; *Medical Microbiology*; Dr. Robert L. Perkins
- Marilyn Davis Reed, Columbus; B.F.A., M.A.; *Education*; Dr. Charlotte S. Huck
- Mary Ann Ruffing, Norwalk; A.B. (Mary Manse College); M.A. (Western Reserve University); M.S.N. (Catholic University of America); *Sociology*; Dr. Wen Lang Li
- Gloria Ann Regalbuto Ruth, Euclid; A.B., M.A. (Ohio University); *Communication*; Dr. Victor D. Wall
- Rickie Sanders, College Park, Ga.; B.S. (Southern University); M.S. (Tulane University); *Geography*; Dr. Lawrence A. Brown
- Paul Schlachter, Montgomery, W. Va.; B.A. (Long Island University); M.Ed. (Boston University); *Education*; Dr. Anthony C. Riccio
- Thomas Arthur Schmitkors, Lorain; B.S. (Calvin College); M.S.; *Chemistry*; Dr. Sheldon G. Shore
- Marlene Schrage Shaul, Akron; B.A. (University of Wisconsin); M.A. (University of Akron); *Economics*; Dr. William H. Oakland
- Keith Alan Shubert, Columbus; B.S., M.S.; *Electrical Engineering*; Dr. Benedikt A. Munk
- Ivan Sergio Freire de Sousa, Brasilia, Brazil; E/Licenciante (Pontificia Universidad Catolica de Sao Paulo); M.Sc. (University of Sao Paulo); *Agricultural Economics and Rural Sociology*; Dr. William L. Flinn
- Ute Shepherd St. Clair, Oneonta, N. Y.; B.A., M.A.; *Philosophy*; Dr. George S. Pappas
- Carolyn McGoey Stephenson, Hamilton, N. Y.; A.B. (Mount Holyoke College); M.A.; *Political Science*; Dr. Chadwick F. Alger
- Emmajean Moses Stephenson, Mountclair, N. J.; A.B. (Florida Agricultural and Mechanical University); M.A. (Jersey City State College); *Education*; Dr. W. Frederick Staub
- Luan Wagner Stewart, Columbus; M.S.; *Home Economics*; Dr. Ellen Hock
- Robert Peter Stone, Columbus; B.S. (Purdue University); M.S., M.S.; *Preventive Medicine*; Dr. Richard R. Lanese
- James D. Studer, Delaware; B.S. (Defiance College); M.A. (Bowling Green State University); *Education*; Dr. Roy A. Larmee
- Andrew Charles Taggart, Victoria, Australia; H.D.T.S. (State College of Victoria); B.Ed. (University of West Australia); M.A.; *Physical Education*; Dr. Daryl L. Siedentop
- Tsunehisa Tamaki, Jaboticabal, Sao Paulo, Brazil; Agronomist, M.S. (Universidad de Sao Paulo); *Agricultural Economics and Rural Sociology*; Dr. Donald W. Larson
- Chanvootti Tangchitvittaya, Bangkok, Thailand; B.Eng. (Chulalongkorn University); M.S.; *Metallurgical Engineering*; Dr. R. A. Rapp
- John Andrew Tarpey, Jr., Middletown, N. J.; A.B. (College of the Holy Cross); M.A. (Montclair State College); *Education*; Dr. Joseph J. Quaranta, Jr.

Ramam Chitkara Tejwani, New Delhi, India; B.S. (New Delhi University); M.S. (All India Institute of Medical Sciences); *Physiological Chemistry*; Dr. George E. Milo

Arlene Thompson, Pittsburgh, Pa.; B.S.Nur., M.S.; *Education*; Dr. Joseph J. Quaranta, Jr.

Chi-Sing Daniel Tse, Hong Kong, R.O.C.; B.S., M.S. (University of Kansas); *Chemistry*; Dr. Theodore Kuwana

Nnah William Odozen, Crossriver, Nigeria; B.A. (Ahmadu Bello University); Diploma (University of Leeds); M.A.; *Art Education*; Dr. Kenneth A. Marantaz

Don Eugene Unger, Fort Collins, Colo.; B.S.Ed. (Nebraska State Teachers College); M.A.T. (Colorado State University); *Education*; Dr. Roy A. Larmec

Sylvia Phillips Vance, Westerville, B.A. (Otterbein College); M.A.; *Romance Languages and Literature*; Dr. Charles G. S. Williams

Suzanne Vaughan, Albuquerque, N. M.; B.A. (Roanoke College); *Sociology*; Dr. Kent P. Schwirian

Alice Wolfcale Weekley, Dayton; B.F.A. (Ohio University); M.Ed. (Wright State University); *Education*; Dr. John O. Cooper

Peter Stephens Wilson, Brisbane, Queensland; B.A., B.Ed., M.A. (University of Queensland); Certificate (Kelvin Grove College of Teacher Education); *Education*; Dr. M. Eugene Gilliom

Barbara Hamman Wing, Durham, N. H.; A.B., M.A. (Middlebury College); M.A.T. (Radcliff College); *Education*; Dr. Gilbert A. Jarvis

Jerry Jay Wright, Richmond, Ind.; B.A. (Saginaw Valley College); M.Ed. (Bowling Green State University); *Physical Education*; Dr. Bruce L. Bennett

Shyue-Bin Wu, Taipei, Taiwan, R.O.C.; B.S.E. (National Cheng Kung University); M.S.; *Computer and Information Science*; Dr. Ming Tsan Liu

George Allan Wynn, Columbus; B.S., M.A.; *Education*; Dr. William W. Wayson

Tse Jeff Yang, Taichung, Taiwan, R.O.C.; B.S. (Cheng Kung University); M.S. (Florida Institute of Technology); *Physics*; Dr. Clifford V. Heer

Karolyn Louise Yocum, Warrensburg, Mo.; B.S.Ed., M.S. (Kansas State Teachers College); *Education*; Dr. George Lewis

Cynthia Lee Yoder, Columbus; B.S., M.A.; *Education*; Dr. Herman Peters

Carole Adrienne Zeolla, New Kensington, Pa.; B.S., M.Ed. (Indiana University of Pennsylvania); *Home Economics*; Dr. Joan Gritzmacher

Ronald Edward Zwielerlein, Fremont; B.S.Ed., M.Ed. (Bowling Green State University); *Physical Education*; Dr. Charles L. Mand

## Master of Accounting

Kuang-Ping Chen, Taiwan, R.O.C.; B.A. (National Taiwan University); *Accounting*

Daniel Ray Kiser, Columbus; B.S.Bus.Adm.; *Accounting*

David Victor Whitacre, Beverly; B.A. (Wittenberg University); *Accounting*

## Master of Architecture

Robert Emmett Fitzgerald, Derby, Conn.; B.S. (Central Connecticut State College); *Architecture*

Akila Subramaniam, Madras, India; B.Arch.; *Architecture*

Mark Alan Vasko, Ashville; B.S.Arch., M.C.R.P.; *Architecture*

## Master of Arts

Maria de los Angeles Agrelo, Columbus; B.S.Ed.; *Education*

Alice Maureen Amorose, Columbus; B.S. (Ohio Dominican College); *Education*

Jean Piercy Anderson, Columbus Junction, Ia.; B.A. (Iowa Wesleyan College); *Education*

Josephine Ammar Angelo, Columbus; B.S.Ed.; *Education*

Rasa Marija Ardys, Fairview, Pa.; B.S. (Illinois State University); *Journalism*

Bonnie Dee Behrend, Willingboro, N. J.; B.A.; *Journalism*

Nancy Ruth Beu, Columbus; Bachelor of Education (University of Toledo); *Education*

Barbara Ann Blatter, Mansfield; B.S. (Bowling Green State University); *Education*

Carol Driggs Blazer, Columbus; B.S.; *Education*

Lynn Gundersheimer Bodenstein, Columbus; B.S.S.W. (University of Cincinnati); *Education*

Lee E. Boger, Upper Sandusky; B.A.; *Education*

Marilyn Seidel Bonner, Columbus; B.S.Ed.; *Education*

Jonathan Emerson Bowen, Lindsey; B.A.; *Anthropology*

Joanne Marie Brehm, Kettering; B.A. (Marquette University); *Journalism*

Garry Nathaniel Brown, Columbus; B.S.; *Education*

Larke Ummel Brown, Mansfield; A.B. (Miami University); *Public Administration*

Suzanne Alice Brown, Chillicothe; B.S. *Physical Education (Health Education)*

William Holland Browning, Portsmouth, N. H.; B.S. (University of New Hampshire); *Economics*

Jennifer Ellen Burkhart, Woodsfield; B.A.; *Psychology*

Penelope Sue Campbell, Columbus; B.S.B.A. (University of Arkansas); *Accounting*

Vivien O. Canora, Cebu City, Philippines; B.A., M.A. (University of San Carlos); *Journalism*

Suzanne Louise Caterino, Adrian, Mich.; B.A. (New Mexico State University); *English*

Dean Owen Chambers, Atwood, Ill.; B.S. (Southern Illinois University); *Journalism*

Linita Chean, Dominican Republic; B.S.Ed.; *Romance Languages and Literatures*

Rachel W. Christie, Meadville, Pa.; B.A. (Allegheny College); *Psychology*

Margaret K. Clay, Worthington; B.S.Nurs.; *Education*

Mary Kaye Cochran, Westerville; B.S.Ed. (Bowling Green State University); *Education*

Denise Deborah Diedrich, Columbus; B.S.Ed.; *Physical Education (Health Education)*

Dorothy Ellen Driskell, Worthington; B.S. (Bob Jones University); *Physical Education (Health Education)*

Frank Louis Dus, Cleveland; B.A. (Ohio University); *Anthropology*

Marilyn S. Fais, Columbus; B.S.; *Education*

Russell A. Falkner, Willoughby; B.A. (Hiram College); *Psychology*

Johanna H. Federspiel, Newark; B.A. (Winthrop College); *Education*

Jeanette Lynn Ferkel, Clyde; B.S. (Bob Jones University); *Music*

Elaine Marie Filusch, Cincinnati; B.S.; *Physical Education*

Ann Fearber Fish, Columbus; B.S.Ed.; *Education*

Pamela Jo Fisher, Greenville; B.S.Ed.; *Education*

Lois Kern Forsythe, Coshocton; B.S. (Muskingum College); *Education*

Richard Arlin Forsythe, Coshocton; B.S. (Muskingum College); B.D. (Garrett Biblical Seminary); *Education*

Jean Ann Fox, Columbus; B.A. (Alma College); *Psychology*

Martin C. L. Frank, Fairborn; B.A.; *Physical Education*

Adrienne Marie Freeman, Columbus; B.S.; *Education*

Daiwei Fu, Taipei, Taiwan, R.O.C.; B.Sc. (Ching-Hua University); *Philosophy*

Paul B. Gallagher, Wheatley Heights, N. Y.; B.A. (State University of New York at Stony Brook); *Linguistics*

Juergen Gauss, Pforzheim, West Germany; Abitur (Fritz-Erler Wirtschafts Gymnasium); *English*

- John David Given, Columbus; B.S.; *Education*
- William Aloysius Glavin, Jr., Arlington, Va.; B.A. (Georgetown University); *Physical Education*
- Koichi Goshima, Nagoya, Japan; B.A. (Nanzan University); *Communication*
- Patricia B. Graves, Amanda; B.S. (Western Michigan University); *Education*
- Lewis H. Gray, McConnellsville; B.S.Ed. (Otterbein College); *Education*
- Laura Beth Greenfield, Seaford, N. Y.; B.A. (State University College at Fredonia); *Interdisciplinary: Communication, Photography and Cinema and Theatre*
- Linda Ree Gregg, Mansfield; B.S. (Miami University); *Education*
- Owen Joseph Hagovsky, Columbus; B.A.; *Anthropology*
- Sandra Kay Haines, Marysville; B.S. (Bowling Green State University); M.S.; *Physical Education*
- Clarice J. Harding, Mansfield; B.A. (Michigan State University); *Education*
- Richard Allen Hartikainen, Erie, Pa.; B.A. (Taylor University); *Physical Education*
- Jeffrey D. Heim, Columbus; B.S. (Bowling Green State University); M.Div. (Grace Theological Seminary); *Economics*
- Molly Jane Holycross, Columbus; B.S.Ed.; *Education*
- Deborah B. Houser, Columbus; B.S.Ed.; *Education*
- Babette C. A. Hunter, Delaware; B.S. (Central State University); *Education*
- Thomas Harold Huss, Toledo; B.S.Ed.; *Education*
- Linda-Kaye Hussey, Baltimore, Md.; B.A. (University of Maryland); *Anthropology*
- Kirk Carlton Hyde, Huntington Beach, Calif.; A.B. (University of California at Los Angeles); *Linguistics*
- Francis A. Iannarino, Columbus; B.A. (Capital University); *Education*
- Minabere Ibelema, Bonny, Rivers State, Nigeria; B.A. (Wibforce University); *Communication*
- Doris J. James, Beatrice, Ala.; B.A. (Talladega College); M.C.R.P.; *Public Administration*
- Sherri Robin Janousky, Dix Hills, N. Y.; B.S. (Brockport State College); *Physical Education*
- Elizabeth Chung-Mei Jen, Taipei, Taiwan, R.O.C.; B.A.; *Education*
- María de los Angeles Jiménez, San Jose, Costa Rica; Licenciada en Educación (Universidad de Costa Rica); *Education*
- Julia Gamble Kahr, Columbus; B.A. (Radcliffe College); *Photography and Cinema*
- Jane Marie Kelley, Dayton; B.S.Ed.; *Education*
- Renée M. Keown, Worthington; B.S. (University of Cincinnati); *Education*
- John Peter Kilcher, Columbus; B.S. (Southern Illinois University); *Education*
- Barbara Darrah Knox, Worthington; B.A.; *Communication*
- Tae Woon Kwak, Koryung, Kyungbook, Korea; Bachelor of Commerce (National University); *Economics*
- Robert Largmann, Columbus; B.S.Ed.; *Education*
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- Melvin Charles Long, Massillon; B.A.; *Education*
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- Albert R. Neff, Columbus; B.S.; *Education*
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- Randall W. Pfeiffer, Columbus; B.A. (Capital University); *Education*
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- Joyce Blake Reiber, Columbus; B.S.Ed.; *Education*
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- Donna Ruth Schiming, Parma; B.S. (Bowling Green State University); *Education*
- Arnold Schneider, South Euclid; B.S. (Case Western Reserve University)
- Sheila Lorraine Scott, Willingboro, N. J.; B.S. (Trenton State College); *Physical Education*
- Susan Jane Secrest, Columbus; B.S.Ed.; *Education*
- Cathy Beth Simonson, Middletown; B.A. (Ohio University); *Physical Education*
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- Michael Clemens Stanley, Columbus; B.S.; *Education*
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## Master of Business Administration

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*Business Administration*

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Colleen Elizabeth Young, B.A. (Miami  
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Howard P. Zitsman, Springfield; B.A.;  
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## Master of City and Regional Planning

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Regional Planning*

Steven Merrill Ainspan, Albany, N. Y.;  
B.A. (State University of New York at  
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Michael Lawrence Greene, Bexley; B.S.;  
*City and Regional Planning*

Michael Gerard Hayes, Columbus; A.B.  
(Ohio University); *City and Regional  
Planning*

## Master of Fine Arts

Michael Louis Couch, St. Louis, Mo.;  
B.F.A. (Kansas City Art Institute); *Art*

Linda Adele Fowler, Columbus; B.S. (Ohio  
Dominican College); B.F.A.; *Art*

Mary R. Wayne, Philipsburg, Pa.; B.F.A.  
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## Master of Health Administration

Mark William Vallera, Norfolk, Va.; B.S.; *Allied Medical Professions*

Anthony Paul Zelenka, Washington, Pa.; B.A. (Marietta College); *Allied Medical Professions*

## Master of Labor and Human Resources

Collier W. Case, Lancaster, Pa.; A.B. (Miami University); *Labor and Human Resources*

Issam Ahmed Ghazzawi, Lebanon; B.A. (Beirut Arab University); B.B.A. (The Lebanese University); M.B.A. (Sul Ross State University); *Labor and Human Resources*

Linda Halter, Greenville, S. C.; B.A. (University of Georgia); *Labor and Human Resources*

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Bonnie L. Roach, Columbus; B.A. (Vassar College); *Labor and Human Resources*

William C. Strangfeld, Columbus; B.A. (Kansas Wesleyan University); *Labor and Human Resources*

Larry Edward Washing, Dayton; B.A., M.B.A. (University of Dayton); *Labor and Human Resources*

## Master of Public Administration

David Allen Breckenridge, Gahanna; B.M. (University of Cincinnati); M.A.; *Public Administration*

Susan I. Steinhardt, New York, N. Y.; B.A. (Queens College); *Public Administration*

## Master of Science

Samir Omar Afuni, Amman, Jordan; B.S. (The Cleveland State University); *Civil Engineering*

José António Alegria, Portugal; Licenciateship (New University of Lisbon); *Computer and Information Science*

Hirudayaraj Arockiaswamy, Tiruchi, India; M.Sc. (Madras University); M.S.; *Computer and Information Science*

Masaharu Asano, Gifu, Gifu-ken, Japan; B.E., M.E. (Hokkaido University); *Engineering Mechanics*

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David Edward Balcer, Reynoldsburg; B.S.; *Geology and Mineralogy*

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Kathleen Carol Binzel, Washington C. H.; B.S.Nurs.; *Nursing*

Sally Margaret Blower, London, England; B.Sc. (Edinburgh University); *Natural Resources*

Charles Sherman Bluhm, Scottsdale, Pa.; B.S. (Pennsylvania State University); *Preventive Medicine*

Joseph Ferrel Boggs, St. Albans, W. Va.; B.S. (Glenville State College); *Entomology*

Charles Henderson Bonner, Ardmore, Pa.; A.B. (Mount Saint Mary's College); M.D. (Royal College of Surgeons); *Physical Medicine*

Charles Austin Bowen, Jr., Bellevue; B.S.; *Zoology*

Barbara Jean Bowers, Hudson; B.S.Nurs.; *Nursing*

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Joseph Michael Bricker, Wooster; B.S. (The University of Akron); *Poultry Science*

Paul Emerson Browning, Columbus; B.S.Agr., B.S.Ed.; *Natural Resources*

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Yueh-Chi Chang, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Electrical Engineering*

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- Sonia Antonieta Hidalgo, Tela, Honduras; *Rural Sociology*
- Edward L. Hillenbrand, Columbus; B.S.; *Biochemistry*
- Charles Norman Horn, Herndon, Va.; B.S. (George Mason University); *Environmental Biology*
- Gary Lee Horrisberger, Millersburg; B.S.; *Animal Science*
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- Hiroshi Ohtsuka, Tochigi, Japan; B.S. (National Defense Academy); *Mechanical Engineering*
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Wuh-Tyan Tsay, Columbus; B.S. (National  
Tsing Hua University); *Mathematics*

Tsu-I Tso, Kaohsiung, China; B.S.C.E.  
(Chung Yuan); *Civil Engineering*

Zane H. Tuta, Canfield; B.S. (University  
of Michigan); *Geology and Mineralogy*

Jeffrey R. VanKeuren, Wooster; B.S.;  
*Environmental Biology*

Richard P. Vitray, Vienna, Va.; B.S.  
(Antioch College); *Mathematics*

Jack Jean Warecki, Sagamore Hills;  
B.S.Ed.; *Mathematics*

Janet M. Wasko, Adena; B.S.Agr.;  
*Animal Science*

Paul R. Weider, Chicago, Ill.; B.S.  
(University of Utah); *Chemistry*

David C. Whitecomb, Columbus; B.S.  
(Manchester College); *Physiology*

Susan Anne Willavize, Mt. Gilead; B.S.,  
M.S. (University of Illinois); *Statistics*

Rebecca Jane Wright, Bessemer, Ala.;  
B.S. (Auburn University); *Natural  
Resources*

Ahdaf Abdalla Yousry, Buffalo, N. Y.;  
B.S.; *Chemistry*

Enyoungh Yu, Seoul, Korea; B.S. (Seoul  
National University); *Electrical  
Engineering*

Yuan-Fang Zheng, Shanghai, China; B.S.  
(Tsinghua University); *Electrical  
Engineering*

Oded Zimmerman, Columbus; B.Sc., M.Sc.  
(Tel-Aviv University); *Computer and  
Information Science*

## Master of Social Work

Wendy L. Cherry, Columbus; B.A. (Sweet  
Briar College); *Social Work*

Sanford Louis Starr, Columbus; B.S.;  
*Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:  
Patrick R. Dugan

Vice Provost for the Arts and Sciences:  
Thomas A. Willke

The Colleges of the Arts and Sciences,  
a federation of five colleges, include:

College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and  
Physical Sciences

College of Social and  
Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

James Alva Allen, Pickerington  
M. Daso Ernst, Liberty Center  
Janet Lee Fonner, Youngstown  
Barbara Lynn Freedy, Upper Arlington  
Mary Ann Gentile, Steubenville  
Eric M. Kleinpaste, Columbus  
Brenda L. Kurlansik, Reading, Pa.  
Craig John Muzilla, Amherst  
Richard John O'Neal, Youngstown  
Steven Jay Probasco, Columbus  
Deirdre Jane Smith, Columbus  
Anthony DeWitt Stewart, Hillside, N. J.  
Michael Anthony Terlachner, Parma  
Brenda Lynn Zagarinsky, Indianapolis, Ind.

### Bachelor of Fine Arts

Sonya Rae Albery, Columbus  
Rosemarie Balog, Brecksville  
B.A.  
Susan Mary Brooks, Bloomfield Hills, Mich.  
Suzanna Rose Burke, Columbus  
Beverly Susan Diles, Racine  
Lynn Elizabeth Flowers, North Olmstead  
Gary Gilbert Genas, Columbus  
Genie Grunewald, Columbus  
Craig Steven Heryford, Marietta  
Sarah B. Holmes, Westerville

Ronald Allen Jacobs, Youngstown  
Stephen Anthony Kristof, Marion  
Margaret Sue Longthorne, Columbus  
Janet Louise Marsano, Lancaster  
Fredrik Lance Marsh, Galena  
Diane Alayne O'Dell, Cleveland  
Claudia Jacqueline Turner, Columbus  
Steven Edward Wiseman, Columbus  
Deborah Lynn Young, Bridgewater, N. J.

### Bachelor of Music

Jody Lee Kidwell, Columbus  
David Ernest Nilo, Columbus  
William Earl Wilson, Hillsdale, N. J.

### Bachelor of Science in Industrial Design

Susan Elaine Hall, Columbus  
Thomas Daniel Horton, Findlay  
Terri Sue Nesbit, Sandusky  
James M. Stephenson, Delaware

### Bachelor of Art Education<sup>1</sup>

Nancy Lee Belt, Gahanna  
Emily Jane Borchers, Worthington  
Melinda Kay Coia, Columbus  
Susan Moore Cyr, Columbus  
Susan Elaine Frey, Van Wert  
Paula Topping Linder, Columbus  
Cecil David Moore, Jr., Memphis, Tenn.  
Robert LeBarron Murphy, Columbus  
William Irving Shade, Columbus  
Nancy Ann Sperling, Toledo  
Robin Root Wallace, Willard  
Nancy Lynn Wimmer, Columbus  
Deborah Lynne Young, Bridgewater, N. J.

### Bachelor of Music Education<sup>1</sup>

Louis Mitchell Best, Bowling Green  
Richard Leroy Brown, Bucyrus  
Kevin Rapp Cochran, Mt. Vernon  
Janice Mae Cox, Columbus  
Tanyce Jo Fogle, Larue  
Ruth Anne Inman, Mt. Vernon  
Bennie Lee Jones, Columbus  
Janet Zeiger Rummel, Lima  
Susan Elizabeth Ryan, Norton  
James Donald Taite, Barborton  
Jan Ellen Wright, Fairborn

<sup>1</sup> Offered jointly by the College of the Arts  
and the College of Education

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Science

Lawrence Earl Bailey, Dayton  
Dick Preston Bell, Salisbury, N. C.  
Maryann Bevinger, Columbus  
Kim Frances Borso, Lorain

Carolyn Maxine Clay, Dayton  
Franklin Lee Counts, Upper Arlington  
Robert Ivan Curry, Canal Winchester  
Douglas Joseph DiCocco, Columbus  
James McMaster Durell, Jr., Columbus  
David Patrick Dureska, Canton  
Dolores Ann Garcia, North Canton  
Audrey Lynn Gottlieb, Toledo  
Jay Bruce Hilliard, Mansfield  
Debra Lynn Hull, Salem  
Christopher Glenn Keck, Bay Village  
Donald A. Kennard, Fairview Park  
Teresa Anne Kuehn, Columbus  
Charles M. Lawler, Cleveland  
Stephen Michael Lewis, Grove City  
George Anthony Martin, Columbus  
Jeffrey Scot McClune, Columbus  
Wieslaw Marian Mostowy, Canton  
Deborah Ruth New, Columbus  
William David Nichols, Jr.  
Sheila Marie O'Brien, Dublin  
Anil Kumar Parekh, Columbus  
Mark Albert Reynolds, Pokwo, Ethiopia  
Vivian Marie Rhode, Fairport, N. Y.  
Lyn E. Riffe, West Union  
John Steven Russo, Columbus  
Joyce M. Sahr, Stoutsville  
Jeanne Carol Spencer, Columbus  
Karen Elizabeth Trainor, Toms River, N. J.

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

Crampton O. Anderson, Cincinnati  
Robert Charles Cashdollar, Jr., Newark  
Catherine Marie Diresen, Columbus  
John Bernard Held, Columbus  
Rick E. Hobbs, Gallipolis  
Mary Ellen Hoffman, Bexley  
Jessica M. Huesmann, Powell  
Robert Joseph James, Tipp City  
James Lee Lefell, Columbus  
Theresa Marie Lieb, Columbus  
Dwayne Allen Martin, Columbus  
Inge Habeck Master, Worthington  
Laurie Jeanne McCleskey, North Canton  
John Andrew Mitchell, Newark  
Shirley Ann Nelson, Columbus  
Dwight David Nodes, Columbus  
Manuel Pace, Columbus  
Nancy Diane Parker, Van Wert  
Rand Eugene Patterson, Columbus  
Patrick Anthony Quinlan, South Euclid  
Thomas Alan Reid, Mentor  
Carol Jean Segraves, Columbus  
Ellen Kay Salisbury, Columbus  
Janet Elaine Schmittauer, Columbus  
Janet L. Shryock, Sylvania  
Vivian Louise Tooman, Leipsic  
Deborah Lynn Valentine, Columbus  
David H. Willison, Stow  
Jack Lynn Willis, Jr., Westerville  
Michael Lloyd Womeldorf, Newark  
Sandra Lee Yannon, Columbus  
Ann M. Yinger, Columbus

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

Mark Robert Anstaett, Columbus  
Madeleine Julia Dautartas, Chesterland  
Richard Andrew Kaman, Norton

### Bachelor of Science

Nancy Renee Augsburger, Columbus  
Gilbert Dennis Bloom, Middleburg Heights  
Sandra Yu-San Chang, Columbus  
Susan R. Chisholm, Fostoria  
Harry Michael Covert, Columbus  
Dan Lawrence Crawford, Portland, Ore.  
Bettie Fraley, Columbus  
Duane Curtis Huffman, Tiffin  
Beth Laurie Jamieson, Batavia  
Neil Evan Johnson, Palmyra, N. Y.  
Dennis L. Litwinowicz, Columbus  
Richard Kenneth McGuire, Chippewa Lake  
Philip H. Myers, Marion  
Leigh Andrew Potter, Kettering  
Linda Kay Ribelli, Columbus  
Steven Jay Richard, Chardon  
Drew John Ronske, Westerville  
Thomas W. Semones, Mentor  
Lillian Chen Teng, Taipei, Taiwan  
David W. Thiel, Upper Sandusky  
James Lee Wright, Sandusky  
Edward Vincent Zinni, Parma Heights

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

Daniel Glenn Applegate, Newark  
Robert John Babka, Toledo  
Elizabeth Anne Baylin, Reynoldsburg  
Garifalia H. Bellesis, Warren  
Heidi Bieber, Chesterland  
Tamara Jo Blake, Marion  
James Jesse Bollinger, Columbus  
Clyde Alfred Bowman, Bensenville, Ill.  
Stephen Saul Brand, Elmont, N. Y.  
Terri Lynn Brobst, Canfield  
Elaine Calabria, Steubenville  
Jeffrey S. Criss, Steubenville  
Kim Crump, Gahanna  
Norma Colon Daleccio,  
Aibonito, Puerto Rico  
Donna Renee DalPos, Stamford, Conn.

James Howard Davis, Richwood  
 Susan Robinson Dobbs, Columbus  
 Susan Alice D'Ooge, Worthington  
 Sharon Lee Schools Downing, Grove City  
 Sally Ann Eiler, Cincinnati  
 Patience Precious Erikeruvwe,  
 Warri, Nigeria  
 Cynthia Adele Forbes, Orlando, Fla.  
 Lewis Edmund Garlisi, Columbus  
 Judith Anne Gerdeman, Columbus  
 Cynthia Marie Gibson, Upper Arlington  
 Mitchell Howard Grant, Columbus  
 Jack Gerard Grega, Strongsville  
 Timothy Joseph Haran, Columbus  
 Matt William Hartman, Canal Winchester  
 Roger Lynn Hawkins, Germantown  
 Virginia Lynn Higgins, Columbus  
 Donald Keith Hite, Brookville  
 Judith Ann Hood, Columbus  
 Kathleen S. Hooker, Cincinnati  
 Vincent Howard Hopkins, Dayton  
 Peggy Jo Hull, Columbus  
 James Albert Hyland, Dayton  
 Charisse C. Jefferson, Columbus  
 L. Douglas Jennings, Columbus  
 Kyle L. Kielmeyer, Reynoldsburg  
 David L. Kline, Youngstown  
 Kelly Jean Koelker, Akron  
 Jill Marie Kuisel, Chardon  
 Laurie K. Lahr, Bucyrus  
 D. Bruce Lapham, Jr., Columbus  
 Thomas William Laszcz, Euclid  
 Linda L. Lawrence, Erie, Pa.  
 James R. Leach, Columbus  
 Mary Ann Lefeld, Coldwater  
 Debbie Manypenny, Beloit  
 John Allen McCardle, Cincinnati  
 Terry Ann McMaster, Brecksville  
 Peter Jon Messmer, Columbus  
 Kathy Lynne Mitchell, Akron  
 Maude M. Morris, Columbus  
 Anna Marie Muzick, Elyria  
 Russell Nathan Myers, Massillon  
 Dennis Michael Nesteruk, Ansonia, Conn.  
 Gary Lee Nicholson, Columbus  
 Kathleen Ann O'Connell, Kettering  
 Matthew William O'Halloran, Dayton  
 Natacha Otey, Columbus  
 Shirley Ann Painter, North Ridgeville  
 Chul Soo Pak, Columbus  
 Cathy Riepenhoff Parlet, Lima  
 Cynthia S. Parsons, Utica  
 Tanya Duan Penn, Cleveland  
 Scott William Phillips, Worthington  
 Cheryl Lynne Powers, Columbus  
 Dawn Marie Prus, Grove City  
 John Allen Radaabaugh, Worthington  
 Robert Alan Radcliff, Columbus  
 Bruce Andrew Ramsey, Columbus  
 Deidra Laurie Ranelin, Steubenville  
 Matthew David Reddington, Jr., Dayton  
 Myron Starling Reed, Mansfield  
 Richard Henry Retter, Columbus  
 Carol Shade Rodriguez, Reynoldsburg  
 Ute B. Roetges, Mansfield  
 Carolyn Sue Russell, Solon  
 Terry Michael Ryan, Chicago, Ill.  
 Vivian Ann Schaefer, West Milton  
 Gregory B. Schwab, Highland Heights  
 Melissa Ann Shaffer, Columbus  
 Richard L. Sheahan, Upper Arlington  
 Cynthia Joseph Smith, Columbus

Thomas Herrold Smith, Zanesville  
 William Earl Swan, Columbus  
 Mindy Marie Walker, Lynchburg  
 Pamela Dianne Warrick, Newark  
 Julia Lynn Wheeler, Columbus  
 Michael Theodore Wilke, Cincinnati  
 Julie Ann Wilson, East Cleveland  
 Douglas Richard Windle, New Albany  
 Michael Joseph Wissler, Marion  
 Heidi Wormser, Shaker Heights  
 Marla Kay Zetzer, Akron  
 Connie Maureen Zinn, Grove City

### Bachelor of Science

Gwendolyn Yvonne Allen, Groveport  
 Rebecca Daniels Blanton, Pataskala  
 Timothy James Coffey, Englewood  
 Julia Ann Cordts, Columbus  
 Richard M. Crockett, Mobile, Ala.  
 J. R. Damelio, Columbus  
 Andrew Downey Debitetto, Columbus  
 Torey Le Hirsch, Buffalo, N. Y.  
 Lee Ann Holtzapfel, Ironton  
 Kevin Michael Keeley, Englewood  
 Keith Edward Kendziorski, Brilliant  
 James Ralph Saulters, Columbus  
 Paul D. Studer, Joliet, Ill.  
 Ann N. Sutt, Mansfield  
 C. Michael Vemity, Alea, Hawaii  
 Richard Donald Watman, Columbus  
 Paul Frederick Wenning, Jr., Butler  
 Jerome Williams, Cincinnati

### School of Journalism

#### Bachelor of Arts in Journalism

John W. Acree, Columbus  
 Sheila Holt Adams, Columbus  
 Anna Marie Beaver, Bellefontaine  
 Cheryl A. Bemis, Versailles  
 Linda Joyce Camburn, Pittsburgh, Pa.  
 Patricia Lynne Carlini, Charleston, W. Va.  
 Susan Hart Cochran, Columbus  
 Susan Elizabeth Curphey, Toledo  
 Edward Enrich Benitez, Columbus  
 Amy Louise Fahnestock, Madison  
 Roy Kevin Grove, Lima  
 Marisa DelPreori Hansen, Columbus  
 Robert Harper, Upper Arlington  
 Roslyn Hierholzer-Etter, St. Marys  
 Greg L. Houston, Ironton  
 Gregory Robert Hoyeler, Columbus  
 Lynn A. Hull, Vermillion  
 Robert L. Hust, Cincinnati  
 Lisa Renee Kavanaugh, Lexington, Ky.  
 Debra A. Kormmiller, Hide-A-Way Hills  
 Richard Scott Krupkin, Shaker Heights  
 Robert Lawrence McMillan, Jr., Fairborn  
 Patricia Ann Murray, Pittsburgh, Pa.  
 Julie Ann O'Rourke, Maumee  
 Howard David Passell, Santa Fe, N. M.  
 Kimberly Jo Pinion, Reynoldsburg  
 Diane Dee Rasmussen, Dublin  
 Sandra Stafford Reckseit, Worthington  
 Cathryn Sue Retzlaff, Bexley  
 Jane Ann Schmitz, Grove City

Elliot Blair Smith, Hamilton  
 Sherry Lee Spaur, Columbus  
 Michael Paul Spaldenner, Fremont  
 Wanda Suber, Columbus  
 Mary Lisbeth Swanson, Rocky River  
 Kimberly Ann Thomas, Whitehall  
 Annette Uhrick, Bridgeport  
 Christopher J. Vlahos, Columbus  
 Erika Luisa Wisinger, Columbus

## College of Administrative Science

Dean: H. Justin Davidson

### Bachelor of Science in Business Administration

Seraj Allali, Khorramshar, Iran  
 Richard William Allen, Gahanna  
 Daniel Stuart Alsip, Ironton  
 William Fredrick Antonick, Columbus  
 Mark William Applegett, Tiffin  
 Daniel Robert Aschman, Columbus  
 Michael Dana Aukerman, Westerville  
 Novella Bailey, Gary, Ind.  
 Joseph Kevin Bair, Van Wert  
 Celeste Jane Bavaria, Cincinnati  
 Mylinda Gail Beard, Sabina  
 Ronald Gary Bennett, Garland, Tex.  
 Scott Edward Bliss, Fairview Park  
 Avi Bogler, Jerusalem, Israel  
 Cynthia A. Boitse, Springfield  
 Stephen Dwight Booher, Xenia  
 Danny Lee Brennenman, Coshocton  
 Judy Anne Breslin, North Olmsted  
 Floyd David Buchanan, Columbus  
 Jonathan Dwain Burgess, Columbus  
 James Patrick Butler, Denver, Colo.  
 John Anthony Calvelage, Angola, Ind.  
 Veronica Jane Camp, Sandusky  
 Ray Lewis Carmichael, Columbus  
 Bruce Allan Carroll, Mentor  
 Barbara Ann Charville, Milan  
 Emily Wei Chin, Columbus  
 Brian Patrick Clark, Mt. Vernon  
 Gerald Eugene Clark, Centerburg  
 Brian Edward Coady, Columbus  
 Edward Neil Cohn, Columbus  
 Cathleen Sue Conrad, Marysville  
 Daniel Eugene Cooper, Jr., Ashland  
 Richard James Cooper, Canton  
 Bruce Lawrence Cooperman, Fort Lee, N. J.  
 Michael Jackson Corbett, Columbus  
 Sheryl Joy Corns, Whitehall  
 Nicholas E. Covelli, Lyndhurst  
 Steven Alan Crabtree, Columbus  
 Michael Allen Cron, Columbus  
 David Thomas Crossen, Gallipolis  
 Mark Charles Cummins, Clinton  
 David W. Dalton, Columbus  
 Kevin Bradley Daugherty, Cleveland  
 Richard Allen Dengler, Parma  
 David Wayne Derr, Springfield  
 Louis B. DeTemple, Columbus  
 Jeffrey Thomas Dever, Wheelersburg  
 John Mark Dickinson, Dayton  
 Jody Lynn Distad, Chagrin Falls  
 Timothy James Dolen, Zanesville  
 Christy Lynn Dorff, Circleville

Thomas Dorinsky, Columbus  
 Craig Richard Douthitt, Dover  
 Daniel Lynn Dunbar, Columbus  
 Robert Timothy Durbin, Youngstown  
 Jan Marie Durosko, Madison, Conn.  
 Jeffrey Lynn Dutton, Columbus  
 Richard B. Ellison, Columbus  
 David Wayne Elston, Warren  
 Marcia Rae Eppy, Canton  
 Stephen Todd Ersing, Columbus  
 James Atkins Etter, Marietta  
 Charles Richard Evans, Worthington  
 Debra Kaye Evans, Lima  
 Mary Christine Fasone, Columbus  
 Deborah Joan Faulks, Rocky River  
 Nelson Leslie Feeney, Defiance  
 William Everett Fick, Chagrin Falls  
 Fred Hermon Finlaw, II, Cincinnati  
 William Mark Fischer, Tipp City  
 Richard William Fisher, Avon, Conn.  
 James Edward Fitzmartin, Columbus  
 Judith Lynn Fletcher, Prospect  
 John Charles Fox, Martins Ferry  
 Paul Richard Frankland, Youngstown  
 James Arthur Frazier, Columbus  
 Andrew Edward Fugazzi, Columbus  
 Kenneth Stephen Fulk, Columbus  
 James M. Fuller, The Plains  
 Scott William Gallaher, Kennetsquare, Pa.  
 Carlos L. Garcia, San Juan, Puerto Rico  
 David Francis Garr, Rochester, N. Y.  
 Dean Mathew Gattton, Rushville  
 Sheryl Gautschi, Martins Ferry  
 Roger Lee Gerhardt, Springfield  
 Ronald Dale Gibbons, Pickerington  
 Donald Alan Gibbs, Hillsboro  
 Stan Robert Goodburn, Columbus  
 Richard Lever Goode, Columbus  
 David Thomas Graham, Kent  
 Jeffrey Alan Greene, Gahanna  
 R. Martin Griffith, Vandalia  
 Terrence Brian Guinta, Brecksville  
 Terrence Bishop Haas, Holland  
 James William Halliday, Jr., Heath  
 Victoria M. Handshy, Worthington  
 Cynthia A. Harp, Columbus  
 Stephen Harsnett, Cincinnati  
 Loman H. Hartley, Whitehall  
 Steven Donald Hartshorn, Columbus  
 Harold Samuel Hawks, III, Marion  
 Mary Susan Hayes, Columbus  
 Laurie Ann Heckel, Warren  
 Jeffrey Manning Heilbrun, Cincinnati  
 Michael F. Heine, Columbus  
 Thomas Joseph Heller, Worthington  
 Roe Earl Herpich, Galion  
 Steven Devere Hershey, Columbus  
 Michael Steven Hirsch, Columbus  
 Fredrick Mark Hissong, Romulus, N. Y.  
 Scott M. Holmes, Ashland  
 Charles Benjamin Huiss, Groveport  
 Bruce C. Hurley, Northport, N. Y.  
 Sherry Sue Huss, Elyria  
 John Hiram Hutchings, Fremont  
 Louis Jay Innenberg, Cleveland Heights  
 Robert Irwin Jackson, Dayton  
 Johanna F. Jaggard, Chillicothe  
 Sharon Marie Johnson, Indianapolis, Ind.  
 Cynthia Lou Jones, Orwell  
 Bruce Edward Koenig, Powell  
 Kurt William Koett, Dayton  
 Louis John Krause, Cincinnati  
 Stephen P. Kuebler, Tiffin  
 Michael Andrew Kunkler, Bexley  
 Sheri Jane Lacorte, Columbus  
 Kirk Richard Lamagna, Allison Park, Pa.  
 Thomas Richard Laymon, Columbus  
 Chang Joo Lee, Columbus  
 Carla Lindsey, Columbus

Richard James Lonske, Whitehall  
 Siew Hoon Love, Columbus  
 Jack Martin Lurie, Youngstown  
 Susan L. MacLaren, Westerville  
 Bradley Mercer Manje, Columbus  
 John Rene Marshall, Columbus  
 Karen Evelyn Marx, Columbus  
 Cynthia L. Mathes, Worthington  
 Robert Allan May, New York, N. Y.  
 Jeffrey M. Mazer, Newburgh Heights  
 Irwin Lee McAuley, Perrysville  
 Diane Lynn McDonald, Washington, D. C.  
 Michael Ashton McCollough, Columbus  
 Diane Lynn McDonald, Louisville  
 Carl Michael McGillivray, Parma Heights  
 Kyle Robert Mercer, Columbus  
 Richard M. Mershad, Dayton  
 Jeffrey Joseph Metzger, Columbus  
 Janis Marie Meyer, Columbus  
 Mark Edward Meyers, Grove City  
 Nick Tony Minnovets, North Royalton  
 John Randal Moldovan, Lorain  
 Susan Leigh Mong, Newark  
 Timothy Scott Montgomery, Clyde  
 Yolanda Denise Murph Montgomery,  
 Columbus  
 Timothy Grant Moore, Washington, D. C.  
 Robert Eugene Mundell, Columbus  
 Thomas W. Murphy, Cuyahoga Falls  
 Richard Watkins Myers, Pataskala  
 Robert Allen Myers, Miamisburg  
 Patrick Joseph Nash, Kent  
 George William Nugent, Columbus  
 Daniel Brent Oliver, Shreve  
 Ronnie Eugene Orr, Washington C. H.  
 Charles Bishop Owen, Jr., Grove City  
 Anthony G. Orzano, Columbus  
 Stephen William Palay, Beachwood  
 Kevin Keith Parkhill, Thornhill  
 James Russell Paxson, Fremont  
 Mark Alan Petry, Galena  
 Daniel John Petsche, Brecksville  
 William Martin Plank, Columbus  
 Scott Michael Potttinger, Gahanna  
 Paul P. Ragias, Zanesville  
 Robert William Resnick, Columbus  
 Earle W. Richardson, Columbus  
 Michael L. Rivers, Chapel Hill, N. C.  
 James Rees Robinson, Columbus  
 Steven Paul Romaniw, Grove City  
 Holly Reeve Rose, East Rochester, N. Y.  
 Dianne Lee Rouch, Columbus  
 John Robert Rouse, Newport  
 Deborah Jean Schaeper, Columbus  
 Douglas Lee Schiefer, Canton  
 Daniel Steven Schneider, Columbus  
 Robert Alvin Schultz, Grove City  
 Ronald Alan Seckel, Marion  
 Marcel A. Silver, Beachwood  
 James Joseph Simcoe, Jr., Orient  
 John Carroll Skidmore, Marysville  
 Geoffrey Stephen Slachta, Cincinnati  
 David Lance Slaughter, Coshocton  
 Frank Martin Smith, New Philadelphia  
 Frederick Miles Smith, Dayton  
 Randall Raymond Smith,  
 Mission Viejo, Calif.  
 Mark Shane Snodgrass, Columbus  
 John Tobin Sowder, Centerville  
 Dale Alan Squires, Columbus  
 Pamela Kay Stegman, Columbus  
 Philip Andrew Stegmann, Columbus  
 Michael Dale Stemen, Columbus  
 Gary Michael Stentz, Columbus  
 Renee Lee Stone, Columbus  
 Christine Mary Streng, Columbus  
 Anthony James Swary, New Bavaria  
 Timothy James Swingle, Roseville  
 Matthew Stone Swysgood, Galena

James J. Tamulonis, Columbus  
 Elizabeth Larkin Taylor, Greenville, S. C.  
 David Scott Terry, Mansfield  
 Don Allen Thomas, New Albany  
 Dennis Glenn Thornbloom, Columbus  
 David Allan Tibbitts, Marion  
 William J. Tomko, Euclid  
 Harry Haralambos Totonis, Columbus  
 Bruce George Trimbur, Richmond  
 Harrison Dean VanCamp, Jr., Hebron  
 John R. Vandemark, Columbus  
 Brent Eugene Vincent, Mt. Sterling  
 John Lawrence Voorhis, Westerville  
 James Bruce Walton, Niles  
 Dennis Mark Warne, Mansfield  
 Mary Patricia Webb, Salem  
 Anita G. Weber, Lima  
 Kevin Ray Weber, Dover  
 Jeffrey Ross Weekley, Shadyside  
 William W. Wehr, Jr., Steubenville  
 David J. Wessels, Cincinnati  
 William Robert Wetzel, Jr., Rocky River  
 Jeffrey Scott Whites, Columbus  
 Theodore Franklin Wieging, Ft. Jennings  
 Margaret Ann Wiles, Payson North, Ark.  
 Kevin Anthony Williams, Chillicothe  
 Charles Wayland Wilson, Gahanna  
 Stephen Charles Wise, Mt. Vernon  
 Brent William Wright, Columbus  
 Annette Yvonne Zak, Dayton

### Bachelor of Science in Labor and Human Resources

Timothy Alan Banks, Columbus  
 Toni Lee Barlow, Chillicothe  
 Susan Lenore Culp, Irondale  
 David Alan Isin, Milford  
 Scott Kenneth Richards, New Lexington  
 Steven Michael Strizak, Bellaire  
 Daniel Gray Wetzel, Mansfield

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

### Bachelor of Science in Agriculture

Rosalyn Jean Anderson, Englewood  
 Sue Ellen Bailey, Prospect  
 Charles Michael Banbury, Glenmont  
 Alvera Angela Beining, Miller City  
 Marsha Kim Blyer, Ripley  
 Roger William Borer, Grand Rapids  
 Jacqueline J. Brokaw, Ashley  
 Donald Joseph Brown, Aurora  
 Jay Sterling Clutter, Celina  
 Susan Elizabeth Cole, Dayton  
 Douglas Michael Conine, Fostoria  
 Gary Robert Conkin, Plain City  
 Thomas William Cooperider, Croton  
 Rhonda Jean Deardorff, Bellefontaine  
 Diane Kay Defer, Hudson  
 Dean Alan Diefenthaler, Oregon  
 Scott Allen Donaldson, Carrollton  
 Gerry Lynn Dudick, Medina  
 Walter Earl Fetzer, Wooster  
 Carol Anne Flanagan, Parma  
 Smitty Ray Gayheart, Galena  
 Michael Alan Gerber, Sabina

David Edward Griest, Columbus  
 Genevieve Ruth Groves, Dayton  
 Dwane Robert Grubb, Columbus  
 David Lee Hale, Galena  
 George Michael Hamrick, Circleville  
 Anne Hawranick, Milford  
 Martin Keith Hayes, Kirkersville  
 Michael Jacob Hensler, Guysville  
 Walter Henry Jewell, Centerburg  
 Brenda Gail Jones, Portsmouth, Me.  
 Joaquin Murietta Jordan, Patriot  
 June Margaret Kepler, Independence  
 Donald Robert Kill, Spencerville  
 Lawrence Walter Kinkopf, Columbus  
 H. Christopher Knott, Columbus  
 Douglas Andrew Kohli, Lima  
 Elizabeth Mary Krantz, Amherst  
 David Brian Kuhlman, Dayton  
 Brent Edward Lawler, Highland Heights  
 Gregory Thomas Letsche, Kettering  
 Dennis Eugene Long, McClure  
 Elizabeth Ann Long, Columbus  
 Ronald Bennett Majors, Williamsport  
 James Phillip McKenzie, Gallipolis  
 Craig Thomas Mercer, Columbiana  
 Marianne Agnes Metzger, Shelby  
 Carl Gerard Mickley, Howard  
 Sarah Ellen Moor, Columbus  
 Michael Wayne Moore, Holgate  
 Wendell Scott Notziger, Archbold  
 Kevin David Oberholzer, Ashland  
 George Kelly O'Brien, Powell  
 Michael Pelcic, Cleveland  
 Lewis Raymond Piergallini, Dillonvale  
 William Knox Price, III, Fredericktown  
 Mark William Rawlins, Caledonia  
 Paul Shane Reamer, Minerva  
 Rodger Allen Ressa, Whitehall  
 Stephen Paul Rider, Columbus  
 Jaynelee Mildred Roberts, Johnstown  
 Maria Ann Roberts, Morral  
 Steven William Robinson, Cleveland  
 Michael Joseph Roche, Willow Wood  
 Henry Richard Sall, Hopedale  
 Jeffrey Allen Schneider, Blacklick  
 Gary Joseph Selhorst, Columbus Grove  
 Joan Sico, Long Branch, N. J.  
 Elaine Robin Smith, Pataskala  
 David Joel Spittler, Tiffin  
 Richard Alan Stahl, Groveport  
 Susan Leigh Stanton, Columbus  
 Christopher Albert Stepanek, Northfield  
 John Scott Stover, East Liverpool  
 Carolyn Louise Townsend, Mansfield  
 James David Ulicky, Parma  
 Joel E. Vanderglas, Springfield  
 Laura Annette Varhola, Garfield Heights  
 Mary Ellen Wagner, Sidney  
 Michael David Wallace, Columbus  
 Robert C. Ward, Toledo  
 Linda Kay Webb, Ashland  
 Gary Lynn Weeks, DeGraff  
 James Joseph Werner, Centerville  
 Jeff Allen Williams, Circleville  
 Patrick Francis Youngpeter, Findlay  
 Lexie Marie Zenz, Liberty Center  
 Stephen Lynn Zook, St. Paris

### Bachelor of Science in Food Science

Richard Brian Brucker, Amherst  
 Austin Richard Long, Amlin

### Bachelor of Science in Food Technology

Antonia Perez, Milford Center  
 Linda Marie Siefker, Miller City  
 Daniel Joseph Wampler, Bellbrook

### School of Home Economics

#### Bachelor of Science in Home Economics

Roxane Margurite Arbogast, McComb  
 Charlene Barron, Beachwood  
 Judy Ann Binoeder, Dayton  
 Margaret J. Black, Worthington  
 Debra Anne Bock, Solon  
 Laura Bonnie, Columbus  
 Karla Koo Brubacher, Columbus  
 Judith N. Burian, Lancaster  
 Theresa Jane Colopy, Peebles  
 Cynthia M. Curtner, Columbus  
 Marie Kathryn Duellman, Columbus  
 Carolyn Suzanne Esmond, Columbus  
 Beverly Lynn Evanko, Rocky River  
 Belinda Sue Fee, Circleville  
 Elizabeth Lee Fisher, Columbus  
 Sharon Lynn Fladt, Gahanna  
 Barbara A. Flynn, Columbus  
 Mary Paul Gagliano, Dayton  
 Valerie Kay Giannetti, Portsmouth  
 Sally Kay Grandstaff, Columbus  
 James Edward Griffin, Warren  
 Laura Ruth Grisemer, Cincinnati  
 Elizabeth Ellen Hagy, Huron  
 Nancy Jean Hamnaks, Marietta  
 Mary Kathryn Henkener, New Knoxville  
 Roberta Kay Hoelzer, Medina  
 Becky Elizabeth Hofer, Homeworth  
 Barbara Jane Houston, Gambier  
 Karyn Incho, Columbus  
 Lynn Ellen Jernberg, Cincinnati  
 Ruth Ann Johnson, Johnstown  
 Katherine Kirk, Westerville  
 Diana Renee Blum Kinchler, Columbus  
 Cynthia A. Krummel, Cincinnati  
 Martha L. Kukulka, Columbus  
 Ellen Louise Lau, Lebanon  
 Dixie Lee Lauer, Powell  
 Eileen Jean Lemmerbrock, Kenton  
 Deborah Sue Luce, Dayton  
 Beth Ann Michael, Urbana  
 Joni Lynn Oelrich, Willoughby  
 Patricia Diane Peters, Columbus  
 Eunice Inez Petty, Columbus  
 Teresa S. Pleasants, Dublin  
 Jane Robenalt, Dublin  
 Cheryl Lee Rothenberg, South Euclid  
 Elaine Ruth Ruffing, Shaker Heights  
 Kathleen Bidwell Schalk, Tiffin  
 Theresa Ann Sims, Columbus  
 Sherri P. Soble, Springfield  
 Helen Leland Speyer, Columbus  
 Tammarra K. Strawser, Amlin  
 Sharon Marcia Temple, Akron  
 Barbara Anne Waksen, North Canton  
 Ava Lynn Zoltai, Elyria

### Bachelor of Science in Restaurant Management

Mark Elliot Leidheiser, Columbus  
 Steven Matthew Steidle, Cincinnati

### School of Natural Resources

#### Bachelor of Science in Natural Resources

Lisa Lee Anderson, Kettering  
 Marilyn Kay Armstrong, Springfield  
 Barbara Ann Bauer, Ripley  
 Curtis Charles Beach, Cuyahoga Falls  
 Brian Jay Blair, Columbus  
 Jeff Robert Boester, Columbus  
 Martin Matteson Bostwick, Cincinnati  
 David Andrew Clark, Columbus  
 Stephen Douglas DeRosa, Salem  
 Kevin Frank Downer, Columbus  
 Roger Edward Dubuc, Milan  
 Stewart Lee Flowers, Columbus  
 Scott Alan Fratianna, Lyndhurst  
 Joseph Carl Funk, Marietta  
 Stephen Scott Gruner, Gibsonburg  
 William Norman Haas, Maple Heights  
 Stephen Joe Hathaway, Huntsville  
 Michael A. Hensley, Wakeman  
 Lisa Ann Johnson, South Orange  
 Diane Louise Kennedy, New Madison  
 Frederick John Krauss, Saginaw, Mich.  
 Martin Alan Kubilus, Akron  
 Thomas G. Lagucki, St. Clairsville  
 Thomas John Lasko, Winsted, Conn.  
 Joseph Cornelius Lawson, Chillicothe  
 Frank Dominic Luppino, Medina  
 David Resley May, Akron  
 Mike Meusel, Akron  
 Cynthia Gayle Morrison, University Heights  
 Gregory Alan Morrow, Davison, Mich.  
 Joy Lynn Myers, East Palestine  
 Steven George Oakes, Columbus  
 Judith Margaret Page, Worthington  
 Tammy Lynn Pritchard, Medina  
 Gordon Eric Schick, Marion, Ind.  
 Karl Friederich Schick, Richmond Heights  
 Lisa Annette Smith, Yellow Springs  
 Brigita Sandra Spuigis, Columbus  
 Timothy Wade Stevenson, Canton  
 Mick David Szabo, Hudson  
 Vicki Ann Valentine, Columbus  
 William George Weber, Columbus  
 William Jeffrey West, Newark

## Agricultural Technical Institute-wooster

#### Associate in Applied Science

Thornton Dixon Adams, Jr., Hickory, N. C.  
 Chris Alan Baightel, Lakewood  
 Cheryl Ann Boone, Medina  
 John Scott Brezo, Garrettsville  
 William Leonard Bruhn, Massillon  
 David Wright Day, North Canton  
 Jason Jay Diver, Waterville  
 Lori Eaton, Bay Village

Paula Jean Harrison, Canton  
 Eric Joseph Himmelman, Euclid  
 Lee Anderson House, Wooster  
 Jeffrey Dale Kauffman, Wooster  
 Raymond John Koren, Wooster  
 Jeffrey Lee Lechner, Chesterland  
 Daniel Gerard Longstreth, Zanesville  
 Douglas Lee McDorman, North Lima  
 Michele Mary Murphy, Medina  
 Robin Gay Richardson, Loudonville  
 Christine Mary Sample, Antwerp  
 Kathy Jo Schroeder, Bradner  
 Ronnie Earl Tisdal, Creston  
 Lonnie Ray Totten, Walhonding

Peggy Ann Burson, Columbus  
 Ellen Louise Butler, Newark  
 Charles T. Caprino, Jr.,  
 East Hartford, Conn.  
 Virginia Kalliope Charnas, Warren  
 Sindi Joy Cohen, Beachwood  
 Cathleen Ann Cook, Mayfield Heights  
 Karen Sandra Cook, Columbus  
 Timothy Paul Corral, Columbus  
 Richard Walter Dahn, Jr., Columbus  
 Cynthia Kessler Davidson, Lima  
 Janelle Joann Davis, Newark  
 Laura Jean Lofgren Davis, Columbus  
 Carol Lynn Dawson, Newark  
 Stephen Scott Deedrick, Grove City  
 James Franklin Delong, Enon  
 Mark Steven Dempsey, Dayton  
 Laura L. Dotson, Lima  
 Cindy L. Douglas, Marietta  
 Glenn Allan Ebright, Pickerington  
 Tony Lee England, Findlay  
 Melissa Ann Erdenberger, Lucas  
 David Anthony Erhard, Newark  
 Linda K. Fanus, Gardeners, Pa.  
 Christopher Fecteau, Dayton  
 Judy Kay Ferguson, Bokkine  
 Ginger Lee Ferguson, Marion  
 Glenn Robert Fessler, Columbus  
 Judith Doris Figel, Woodsfield  
 Sally Ann Finissi, Columbus  
 M. William Forquer, Columbus  
 Allan Franklin Foster, Columbus  
 B.A.

Nancy Ellwin McCormick, Columbus  
 Deborah Jane Mihalik, Stratton  
 Kathleen P. Miller, Columbus  
 Dennis Keith Mitchell, Delaware  
 Mary Lou Miu, Mansfield  
 Beth Ann Montalto, Newark  
 Carol Joan Moury, Marion  
 Kathleen Ann Mulooly, Bay Village  
 David Michael Murray, Reynoldsburg  
 Rosemary Margaret Myers, Columbus  
 Karen Sue Nash, Galloway  
 Philip Netti, Wellsville  
 John Douglas Nutt, Sunbury  
 Tamara Kaye Offenbaker, Newark  
 Lawrence O'Rourke, Worthington  
 Judith Margaret Page, Worthington  
 Holly Anne Perin, Cincinnati  
 Sherry Leigh Peterson, Dayton  
 Myron Lee Pollard, Columbus  
 Michele Stewart Puckett, Columbus  
 Deborah Ann Pugh, Columbus  
 Susette C. Horton Putman, Delaware  
 Karen Diane Radtke, Columbus  
 Gary Allen Ramin, Columbus  
 Kimberly Anne Rankin, Marietta  
 Philip Thomas Raterman, Dayton  
 Stanley Kimmelman Ray, Grove City  
 Carol Jane Riedmiller, Marysville  
 Lori Anne Rimar, Columbus  
 Marc Leighton Ring, Woodsfield  
 Barbara Anne Robinson, Columbus  
 Beverly Jean Rogers, Columbus  
 Stephanie Jo Rotsky, Beachwood  
 Lisa Anne Rugh, Grove City  
 Dean Edward Sampsell, Sandusky  
 John Louis Sanders, Circleville  
 William Douglas Sattler, Mineral City  
 Diane Sellers Scaggs, Columbus  
 Kymberly Ann Schneider, Cincinnati  
 Karen Lynn Schuman, Granville  
 Douglas Duran Shaffer, Columbus  
 Kimberly Ann Shamble, Mansfield  
 Ann Marie Shanklin, Cincinnati  
 Edward C. Showman, Ottawa  
 Robin J. Sisson, Columbus  
 Van Skinner, Clarksburg  
 Betty West Slade, Columbus  
 Karen S. Sowers, Reynoldsburg  
 Susan McGuire Stewart, Columbus  
 Marla Anne Stickle, Columbus  
 Karen Joy Stovsky, University Heights  
 Julia Lee Strohacker, Newark  
 Daniel Lee Swiger, Sidney  
 Mattie Thomas, Columbus  
 Kay Johnson Thompson, Columbus  
 Jean M. Tingley, Columbus  
 B.S.

## College of Dentistry

Acting Dean: William R. Wallace

### Doctor of Dental Surgery

Robert Stephen Asch, Lorain  
 B.S.  
 Joel Mark Cohen, Columbus  
 B.S.  
 Mark Alan Freeman, Perrysburg  
 B.A. (University of Toledo)  
 William Oliver Semans, Sandusky  
 B.A. (Wittenberg University)

### Certificate of Graduate Dental Hygienist

Christine Ann Johnson, Urbana  
 Laure Lee Marcellus, Rumson, N. J.  
 Laurie Jeanne McCleskey, North Canton

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Charles H. Adams, Mt. Sterling  
 Stephen Alton Adams, Delaware  
 Theresa Hecker Allen, Columbus  
 John Robert Arnold, Columbus  
 Clara Oatman Ashcraft, Newark  
 Richard Newberry Barbrée, Jr., Columbus  
 Elaine Marie Barnes, Billerica, Mass.  
 Kimberly Marie Barnhart,  
 White River, S. D.  
 Michael James Barton, Avon Lake  
 Lucinda Charline Bartow, Columbus  
 Amy Marie Bates, Reynoldsburg  
 Elyse Harriet Berman, Steubenville  
 Mary Lisa Black, Newark  
 B.A.  
 Martin Michael Bradshaw,  
 Broadview Heights  
 Ann Louise Brauer, Columbus  
 Herbert E. Brown, Skippers, Va.  
 B.S. (Virginia State College)  
 Mark Alan Brown, Lebanon  
 Patti Ann Brown, Grove City  
 Bryan Keith Bumgarner, Richmond  
 Karen Lou Burns, Plain City  
 Sharon Sue Burns, Plain City

Stacey Ellen Fox, Beachwood  
 Deborah A. Frederick, Lima  
 Rose Marie Gallagher, Brookpark  
 Dorothy Craggs Gordon, Marysville  
 John Stuart Greendyke, Columbus  
 Kenneth Edward Grooms, Galena  
 Joseph Mark Guddemi, Mansfield  
 Jill Louise Gurr, Marion  
 Phyllis J. Halston, Columbus  
 Gregory Davis Hartman, Columbus  
 Debra K. Hassan, Wooster  
 Janet Beane Heckenhauer, Bucyrus  
 Nelson Edward Hess, Newark  
 Scott David Hill, Fairport Harbor  
 Rick Ernest Hobbs, Gallipolis  
 Julia Ann Holers, Napoleon  
 Elbert L. Holmberg, Newark  
 Thomas Conrad Howard, Westchester  
 Kathy Lynn Huffman, Findlay  
 Maureen Theresa Hurley, Columbus  
 Martha Jane Irwin, Columbus  
 Laura Ann Jansen, North Olmsted  
 Carol Sue Johnson, Toledo  
 Mary Ellen Kalvakis, Columbus  
 Beth Ann Katerhenrich, Grove City  
 Gilda Ruth Katz, Beachwood  
 Margie Ellen Keith, Dayton  
 Terence P. Kelly, Columbus  
 Gerald Allen Kincaid, Jr., Groveport  
 Carol Lynn Kircher, Worthington  
 Mark Aaron Knutsen, Mingo Junction  
 Leslie Anne Koethe, Lorain  
 Audrey Lucille Lauf, Lima  
 Mary Ann Lefeld, Coldwater  
 Deborah Lynn Legg, Columbus  
 Kimberly Kay Light, Bucyrus  
 David Samuel Lipkin, Akron  
 Kathy Jo Long, Marion  
 Barton Louis Lown, Columbus  
 Baye Ann Marker, Mansfield  
 David Lloyd Martin, Portsmouth  
 Susan Linda Massa, Lexington  
 David Alan Mauger, Pataskala  
 Kathleen Marsha McAdams,  
 Panama City, Fla.

Gwendolyn Sue Trempert, Columbus  
 Kathryn Marinda Vaughn, Marion  
 Beth Borden Vetter, Portsmouth  
 David John Weaver, Mansfield  
 Ellen Kay Wenzelberger, Worthington  
 Kelli Ann Whapham, North Canton  
 Laura Wiedemann, Marion  
 Jeffrey Eugene Wills, Nashport  
 Diane Kay Wilson, London  
 Stephen Wilson, Newark  
 Roberta K. E. Winkle, Mansfield  
 Christine Anne Harry Wisener, Lima  
 Kimberly Dee Wrightsel, Chillicothe  
 Cynthia Lynne Young, Columbus  
 Bachelor of Art Education and  
 Bachelor of Music Education  
 degrees are offered jointly by the  
 College of the Arts and the  
 College of Education.  
 Candidates are listed under  
 College of the Arts.

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Thomas Daniel Costello, Columbus  
Thomas J. Smeeks, Burke, Va.

### Bachelor of Science in Agricultural Engineering

Richard Michael Melvin, Westlake

### Bachelor of Science in Ceramic Engineering

Scott Sager Campbell, Mansfield

### Bachelor of Science in Chemical Engineering

Carlos Eduardo Aguilera Cracchiolo,  
Acarigua, Venezuela  
Anthony Angelo Dattilo, Brook Park  
Chris U. Ekeuku, Port Harcourt, Nigeria  
Edward George Farah, Warren  
George Joseph Krieski, Cleveland Heights  
Wilmer Rafael Ramirez Semeco,  
Edo-Falcon, Venezuela  
Robert John Strack, Dayton

### Civil Engineer

Ahmed Mohammed Said, Safad, Palestine

### Bachelor of Science in Civil Engineering

Mohammed Muhammed-Sa'id Basrawi,  
Jedda, Saudi Arabia  
William Joseph Bennett, Philadelphia, Pa.  
Bruce William Berdanier, Shelby  
Ronald Allan Calhoun, Columbus  
David M. Cleary, Fairport Harbor  
Carl Timothy Fallara, Columbus  
Thomas Brian Irvine, Reynoldsburg  
Leslie Howard Kanuckel, Brinkhaven  
Stephen Michael Kayatin, Norwalk  
Craig Louis Kossuth, Berea  
Timothy Patrick Lollo, Heath  
LeRoy Edward Mault, Jr., Westerville  
Brian Lee Mitchell, Farkersburg, W. Va.  
James Robert Morris, Columbus  
Paul George Novak, Hubbard  
Jeffrey Scot Schira, Columbus  
Larry Jerome Searight, Lorain  
John Crawford Shanks, Reynoldsburg  
Catherine Colleen Stokes, Heath  
Jawed Umerani, Karachi, Pakistan  
Karl Henry Winterstein, Columbus

### Bachelor of Science in Computer and Information Science

John Randall Blackwood, Springfield  
Aboltz L. Sepahban, Columbus

### Electrical Engineer

Chaiyoth Srukhsot, Bangkok, Thailand

### Bachelor of Science in Electrical Engineering

Endre Maximilian Berez,  
Ft. Lauderdale, Fla.  
Donald Frederick Boyd, Syracuse, N. Y.  
Karla Koschmann Byrnes, Columbus  
Charles John Coogan, Worthington  
Glenn David Crabtree, Columbus  
Philip Anthony Dudek, Alliance  
William Michael Edwards, Columbus  
Bethanne Friedman, Columbus  
David Francis Fritz, Huntsburg  
Daniel Glover, Bay Village  
Daniel Joseph Halm, Columbus  
Kent Russell Hamon, Lexington, Ky.  
Eric William Johnson, Washington C. H.  
James Richard Linthicum, Columbus  
José Richardo Macian, Columbus  
Manu Mehta, Hayward  
Robert Karl Oelsner, Columbus  
Stephen Mark Powell, Westerville  
Eric Alan Ribble, Beverly  
Ronald Allan Sasaki, Chesterland  
Paul Alexander Steve, North Olmsted  
Keith L. Snyder, Pandora  
Josef Martin Szuecs, Elyria  
Vincent T. Tat, Columbus  
Kenneth James Walcott, Dayton  
David Raymond Wehrauch, Hilliard  
Lynn Marie Weller, Columbus

### Bachelor of Science in Industrial and Systems Engineering

Sally Ann Agnew, Youngstown  
David Wells Cammarn, Columbus  
Sean Michael Crowley, Fairview Park  
Gary Marsh Galloway, Columbus  
Howard Alton Hartley, Jr., Columbus  
Karl Aaron Heidrich, Columbus  
Rolf James Ozamiz, Columbus  
Patricia Goecke Potts, Columbus  
Michael David Prieaux, Dayton  
Karen Fitch Schiltz, Columbus  
Gregory Schmidt, Lyndhurst  
Mitchell Scott Tayse, Columbus

### Bachelor of Science in Mechanical Engineering

Kenneth David Cardina, Akron  
Chris William Cienas, Madison  
Mark Allen Dedow, Warren  
James Mark Demsky, Columbus  
Daniel Mark Duellman, Mansfield  
Glenda Joette Gmitter, Waterville  
Mark Clark Hamilton, Columbus  
Donald Wayne Harper, Westlake  
Dennis Merrill Kotz, Sandusky  
Douglas Joseph Petonke, Fremont  
Michael Carl Ritter, Libertyville, Ill.  
Clemence Gregory Schilling, Newark  
Jerry Ray Seafoss, Columbus  
Linda Marie Sestito, Columbus  
Verlin LeRoy Shroyer, Marion  
Joseph Paul Strzelecki, Lorain  
Joseph Edward Uhrinek, Jr., Dunedin, Fla.  
Bradley Gene Welch, Seven Hills

### Bachelor of Science in Surveying

Ronald Allan Calhoun, Columbus  
Charles Montgomery Tucker, Cincinnati

### Bachelor of Science in Welding Engineering

Warren Kenneth Applegarth, Columbus  
Barton Kipp Hall, Newcomerstown  
Robert Edward Hetzendorfer, Depew, N. Y.  
Peter Michael Mahoney, Columbus  
Maggie Sue Pittman, Cincinnati  
Gary Edward Trewiler, Coshocton

## School of Architecture

### Bachelor of Science in Architecture

Glenn Wendel Cope, Findlay  
Christopher Joseph Heasley, Columbus  
Linda Ann Holveck, Circleville  
Stephen Michael Luchtenberg, Bexley  
Barbara Louise McCarthy, Hudson  
Daniel Robert Pickett, Columbus  
Bryan Evan Westgate, Avon

### Bachelor of Science in Landscape Architecture

Steven Alan Bennet, Cincinnati  
David Michael DeFiebre, Worthington

## College of Law

Dean: James E. Meeks

### Juris Doctor

Katherine Martha Bigler, Columbia Station  
B.A. (Northwestern State University of Louisiana)  
Stephen Jay Bowshier, Grove City  
B.A.  
Joseph Henry Brockwell, Cambridge  
B.A.  
Robert Thomas Burda, Dayton  
B.S. (University of Dayton)  
Donald Kenneth Byrnes, Columbus  
B.S.  
Frederick John Caspar, Dayton  
B.S. (Wright State University)  
Mary Frame Coridan, Columbus  
B.S.  
Peter Anthony Danis, Kettering  
B.S. (University of Dayton)  
Michael James Hosler, North Baltimore  
B.S. (Bowling Green State University)  
Mary Guadalupe Kirchner, Columbus  
B.A. (Manhattanville College);  
M.S. (University of North Carolina)  
Steven Charles Mayer, Alliance  
B.S. (Kent State University)  
Denise Adele Herman McColley, Napoleon  
B.S., M.E. (Bowling Green State University)  
Alan James Miller, Westerville  
B.S.  
Benjamin Franklin Parks, Columbus  
B.A., M.A.  
Joseph Leroy Richardson, Hillsboro, N. C.  
B.S. (A. and T. College of North Carolina);  
M.S., Ph.D. (Cornell University)  
Steven H. Schreiber, Columbus  
B.A., M.A.



John Robert Slater, Gahanna  
B.A.  
Lee Ann Smith, Mishawaka, Ind.  
B.S. (Ball State University)  
Percy Squire, Youngstown  
B.S. (Ball State University)  
Joan Bonnie Swigert, Columbus  
B.S. (Miami University)  
Michael Robert Thomas, Cincinnati  
B.A. (Capital University)  
Mark Alexander Tuss, Dayton  
B.A. (University of Dayton)  
Janice Wilz Wise, Columbus  
B.S. (University of Illinois); M.A.

## College of Medicine

Acting Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

Henry Clay Blakeman, Jr., Portsmouth  
B.S. (University of Cincinnati)  
John Carl Gurley, Fairport Harbor  
B.S.  
William Robert Hartnagel, Orrville  
B.S.  
Kim Richard Nicola, Columbus  
B.A.  
Laura Hannah Rocker, Shaker Heights  
B.A. (University of Rochester)  
Marty Maria Salas, Springfield, Mo.  
B.S.  
Bruce W. Spring, Canton  
Sc.B. (Brown University)  
John Leslie Tatman, Washington C. H.  
B.A. (Earlham College)  
Jeanne M. Vinsel, Wadsworth  
B.A. (Kent State University)  
Robert Mark Webb, Marion  
B.S.

### School of Allied Medical Professions

#### Bachelor of Science in Allied Health Professions

Michael Scott Axel, Beachwood  
Cheryl Diane Barton, Lima  
Sue Ann Bussey, Amelia  
Terri Sheller Bissell, Twinsburg  
Linda Diane Butcher, Columbus  
Deborah Florence Clarke, Columbus  
Karen Kaiser Eifert, Hamilton  
Deborah Jean Feko, Solon  
Sally Jane Flohr, Cincinnati  
Diane Susan Fox, Lima  
Sandra Driskell Greene, Batavia  
Regina Marie Grywalski, Bylesville  
Nancy Marie Handwerk, Columbus  
Sara Anne Herminghausen,  
Upper Arlington  
Susan Ellett Herrnstein, Chillicothe  
Gay Laurie Himelright, Sullivan  
Maureen Ranz Jennings, Cincinnati  
Ellen Grandon Jewell, Hilliard  
Linda Jean Kobel, Farmington, Mich.  
Pamela Sue Kobelt, North Canton  
Donna Marie Kortyka, Cleveland  
Susan Marie Lennon, Worthington

Kay Ann Linville, Columbus  
Susan Marie Long, Logan  
Marcia Ann Loos, Coshocton  
Susan Dignan Mack, Cleveland  
Pamela Kaye Marshall, Springfield  
Sue Ann Mulholand, Columbus  
Debra Kaye New, Columbus  
Deborah Anne Ooten, Columbus  
Karen Reichers, South River, N. J.  
Julie Ann Reinemann, Xenia  
Natalie Diane Rhodes, Willowick  
Sandra Kay Ruffini, Uhrichsville  
Sharon Marie Russell, Mansfield  
Carol Frels Salvesen, San Antonio, Tex.  
Mary Ann D. Schafer, Norwalk  
Kathy Watrous Shuel, Cincinnati  
Kathryn Carol Stroh, Avon Lake  
Elizabeth Ann Tonn, Kettering  
Cheryl Ann Uehlein, Cincinnati  
Susan Ann Weiss, Shaker Heights  
Donice Marshall West, Marion  
Joanne Miriam Wile, University Heights  
Lynn Ann Wilson, Munroe Falls  
Sandra Lynn Wittebort, Columbus  
Brenda Kay Wright, Athens  
Renee Louise Ziegler, Youngstown

### School of Nursing

#### Bachelor of Science in Nursing

Joanne Ruth Ecos, Tiffin  
Mary Kathleen Fischer, Waynesboro, Pa.  
Susan Marie Heiner, Piqua  
Mary Zvirblis Jerome, Worthington  
Diane Lynn Landrum, Chillicothe  
Susan Anne Leach, Cincinnati  
Linda Lee Lonsinger, St. Louisville  
Ella Brown McMahon, Chillicothe  
Aida Antanina Maurukas, Elyria  
Connie Davis Rowlands, Worthington  
Diane Catherine Steiner, Strongsville  
Kris Ann Thomas, Euclid  
Deborah Jo Wiley, Lodi

## College of Pharmacy

Dean: Albert H. Soloway

#### Bachelor of Science in Pharmacy

Karen Sue Armistead, Cuyahoga Falls  
Mary Denise Dean, Columbus  
David Scott Herrmann, Cincinnati  
Sally Jean Hufty, Lucasville  
Richard Paul Jones, II, Portsmouth  
Robert Joseph Kuhn, Caldwell  
B.A. (College of Steubenville)  
William Emmett Leahy, Akron  
Richard Niel Mason, Columbus  
Dan Edward May, North Olmsted  
DeLinda Spillman McDaniel, Columbus  
Sharon Ann Redman, Jamaica, N. Y.  
Martin Eugene Ruehle, Findlay  
David Lynn Schiefer, Tiro  
Herbert Michael Smith, Cincinnati  
B.A. (Capital University)  
Robert Allen Walker, Westerville  
B.S.

## College of Social Work

Dean: Robert O. Washington

#### Bachelor of Science in Social Welfare

Jane Ann Asher, Wilmington  
Adrian Cedric McConnell, Columbus

## Graduates with Honors

With Distinction in Electrical Engineering

Eric Alan Ribble

With Distinction in French

Richard L. Shryock

With Distinction in Mathematics and with  
Honors in the Liberal Arts

Harry Michael Covert

With Honors in the Liberal Arts

Thomas Alan Reid  
Cathryn Sue Retzlaff  
Thomas Herrold Smith

### Cum Laude

Theresa Hecker Allen  
Karen Sue Armistead  
Cheryl Diane Barton  
Karen Lou Burns  
Sharon Sue Burns  
John Anthony Calvelage  
Sandra Yu-San Chang  
David Andrew Clark  
Melinda Kay Coia  
James Mark Demsky  
Gerry Lynn Dudick  
Robert Timothy Durbin  
Debra Kaye Evans  
Paul Richard Frankland  
Terrence Bishop Haas  
Janet Beane Heckenhauser  
Gay Laurie Himelright  
Maureen Ranz Jennings  
Donald A. Kennard  
H. Christopher Knott  
Susan Marie Long  
Frank Dominic Luppino  
Bradley Mercer Maple  
LeRoy Edward Mault, Jr.  
Dan Edward May  
Irwin McAuley  
Craig Thomas Mercer

Jeffrey Joseph Metzger  
Timothy Scott Montgomery  
Patrick Joseph Nash  
George William Nugent  
Patricia Diane Peters  
Dawn Marie Prus  
Susette C. Horton Putman  
Ronald Allan Sasaki  
Lisa Annette Smith  
Gordon Eric Schick  
Jane Ann Schmitz  
Karen S. Sowers  
Don Allen Thomas  
Mattie Thomas  
Jean M. Tingley  
Jawed Umerani  
Anita G. Weber  
Diane Kay Wilson  
Cynthia Lynne Young

**Cum Laude with Distinction in  
Agricultural Education and Horticulture**  
Carol Anne Flanagan

**Cum Laude with Distinction in  
the Liberal Arts**

Barbara Lynn Freedy

## **Summa Cum Laude**

Thornton Dixon Adams  
Mark Robert Anstaett  
Heidi Bieber  
Louis Mitchel Best  
Martin Matteson Bostwick  
Patti Ann Brown  
Cynthia Kessler Davidson  
Bethanne Friedman  
Louis Jay Innenberg  
Beth Ann Katterhenrich  
Kelly Jean Koelker  
Elizabeth Mary Krantz  
Cynthia A. Krummel  
Kimberly Kay Light  
Raye Ann Marker  
Holly Anne Perin  
Eric Alan Ribble  
Joseph Paul Strzelecki  
Brent William Wright  
Jan Ellen Wright

**Summa Cum Laude with Distinction in  
Plant Pathology**  
Susan Leigh Stanton

**Summa Cum Laude with Distinction in  
Wildlife Management**  
Brian Jay Blair

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-THIRD MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 24, 1980

Pursuant to paragraph (B) of bylaw 3335-1-01 of the Administrative Code of The Ohio State University, the Board met upon the call of the Chairman, Chester Devenow, in a special meeting on Monday, November 24, 1980, at 3:00 p.m., at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

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November 24, 1980 meeting, Board of Trustees

## REVISED BUDGET 1980-81: STATUS REPORT

### *Introduction*

On November 10, three days after the University Board of Trustees held its November meeting, the Ohio Office of Budget and Management announced that State support for public higher education would be cut by three percent. This second cut, following less than six months after the imposition of an earlier three-percent reduction, results in a direct loss in 1980-81 state support of \$10.8 million for the University. Because of continuing declines in projections of State revenue and the exemption of welfare and elementary and secondary education programs from the latest reduction, the State may have an estimated \$350 million shortage of income for 1980-81. A shortage of this magnitude can only be met by massive budget cuts and/or a tax increase.

This status report on the University's budget, therefore, is made against a background of uncertainty about the future. The uncertainty is further heightened by recent state actions that have placed a disproportionate share of the State's fiscal problems on higher education. The Ohio State University alone has had to bear more than one tenth of the State's latest expenditure reduction. Indeed, the state's colleges and universities, although they account for approximately 14 percent of the State's general funds budget, have been called on to bear nearly one half of the recent cutback.

With two cuts already imposed, and uncertainty about the possibility of a third reduction--both its timing and magnitude--the formulation of a definitive plan of action is difficult. Already, portions of the University's plan to adjust to the first three percent reduction have been superceded by the second cut. The plans that we present today for that second cut may be temporary and amended later as new events develop.

To recap our actions in response to the first reduction, the University increased instructional fees by \$10 a quarter effective Autumn Quarter, eliminated a planned three percent midyear salary adjustment, and developed plans to reduce the staffing level of the University by keeping positions vacant as openings occurred.

In response to the second three-percent cut, we have imposed an immediate freeze on all hiring, except where absolutely necessary to generate income, to protect the health and safety of the campus, to meet contractual obligations, or to staff courses that had prior administrative approval. Further, we have stopped the purchase from the general fund of all scientific, instructional, office, or other equipment costing more than \$500.

These two measures were taken to slow down University expenditures until such time as a more detailed plan could be implemented. The outline of this plan is contained in this status report, along with a discussion of the relationship of this plan to future actions that might be necessary.

### *Amount of Budget Cuts*

*Total Reduction.* The total six percent reduction in State funding will have the following effects on the various budgets of the 1980-81 University budget adopted on June 12.

November 24, 1980 meeting, Board of Trustees

**REVISED BUDGET 1980-81: STATUS REPORT (contd)**

Unrestricted General Funds - Columbus	\$ 8,708,600
- Regional Campuses	389,800
Cooperative Extension Service	407,400
University Hospitals	775,600
Other Designated Activities (e.g., Labor Education & Research)	549,200
<b>TOTAL</b>	<b>\$10,830,600</b>

Each of the areas above are at work cutting their budgets to accommodate to these reductions. Our attention today will be directed toward the Unrestricted General Funds of the Columbus Campus which support the primary instructional and support activities of that campus.

*Magnitude of General Funds Problem.* The Unrestricted General Funds of the University will be reduced by \$8.7 million as a result of a reduction of six percent in State support. Because interest rates in the economy have risen dramatically during the past two months, an upward revision to our general funds revenue of \$1.0 million can be applied to offset partially the reduction in State funding, resulting in a net reduction of \$7.7 million to be handled through a combination of fee increases and expenditure reduction.

*Actions Taken and Proposed*

*Overview of Retrenchment Plan.* During the first phase of the retrenchment, the following actions were taken to balance the University's budget:

- Instructional fee increase of \$10 per quarter effective Autumn Quarter. Gain \$1.2 million.
- Elimination of 3 percent midyear salary increase. Save \$1.36 million.
- Staff reduction plans in colleges/offices. Save \$1.79 million.
- First quarter 1980-81 savings beyond staff reduction. Save \$0.60 million.

In sum, the measures taken during the first quarter of the current fiscal year will offset \$4.95 million of the \$7.70 million budget deficit facing the University.

To meet the remaining \$2.75 million deficit and to prepare for future exigencies, the following are planned:

- Additional instructional fee increase of \$15 per quarter effective Winter Quarter, 1981. Gain \$1.20 million.
- Continued hiring freeze and new expenditure ceilings imposed on colleges and offices. Save \$1.55 million.

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**REVISED BUDGET 1980-81: STATUS REPORT (contd)**

In the aggregate, the \$8.7 million cutback in General Funds will be met in the following manner.

Increased Interest Revenue	\$1,000,000
Increased Instructional Fees	2,400,000
Eliminate Midyear Salary Increase	1,360,000
Retrenchment/Savings	3,940,000
<b>TOTAL</b>	<b>\$8,700,000</b>

*Fee Increase.* This plan contains a proposed \$15 per quarter fee increase to be effective for the Winter Quarter, 1981. This increase, generating approximately \$1.2 million in 1980-81, would offset 28 percent of the latest \$4.35 million cut in State funding for the Unrestricted General Fund. When combined with the Autumn \$10 per quarter increase, the total annual increase over three quarters of \$60 per student (\$10 for three quarters and \$15 for two quarters) would likewise cover 28 percent, or \$2.4 million, of the \$8.7 million total cut imposed on the University's General Fund to date.

*Hiring Freeze and College/Office Retrenchment.* Given the uncertain future, the University will maintain the hiring freeze imposed on Colleges and Offices for an indefinite period. The savings realized from this freeze will be incorporated into a plan of broader retrenchment targets imposed on each unit in the University. These targets, applied selectively on the basis of analyses of workload factors and the amount of flexibility contained in each unit's budget, will total \$3.34 million for the General Funds budgets - \$1.79 million to meet the first phase of the retrenchment and \$1.55 million to offset the deficit created by the second cut-back.

Each unit will surrender funds in the amount of the retrenchment target to the University along with plans that will incorporate projected savings to be made through the hiring freeze along with other measures taken. The guidelines for these plans will contain limits on the amount of savings to be gained through deferral of equipment purchases, which would mortgage future budgets. Although every effort will be made to protect student employment, it is important to understand that with cuts of this magnitude, there can be no guarantee that we can do so in all instances.

These new retrenchment targets will be distributed to the Colleges and Offices on December 3, 1980.

*Other Economy Measures and Revenue Production.* At the same time that the managers of each unit in the University are effecting savings in their individual operations, the University will move ahead with intensive analyses of the following.

- Review of the energy conservation program to determine if additional savings can be made without endangering the health and safety of the campus community.
- Development of a plan to cut back temporarily the maintenance of the University's buildings and grounds.

November 24, 1980 meeting, Board of Trustees

**REVISED BUDGET 1980-81: STATUS REPORT (contd)**

- Sharp curtailment of contracts for the repair of University facilities until future funding levels are known.
- Review of savings to be gained by shortening the hours of operation of the Library, recreational facilities, and student unions--along with the lessening of broadcast hours of the WOSU radio and television stations.

The following series of reviews are in progress to gain increased income for the University's General Fund.

- The rate of indirect cost recovery from sponsored projects is being reassessed to ensure that the University is being compensated to the maximum extent for sponsored activities occurring on the campus.
- The University's charge-back methods for services provided to the Auxiliary operations of the University have been under extensive review for some time and changes in those methods will be effected.

In this process, we are not retrenching units which support their activities without General Funds support, i.e., gain their funds through charges for services or through restricted funds provided by outside sponsors. Examples of operations that support their direct expenditures exclusively through charges are Intercollegiate Athletics and the Residence and Dining Halls. Savings in these operations and in restricted funds would produce no additional income for the University's General Funds. Capital projects funded by direct state appropriation are also excluded because such funds could not be diverted to general university use.

The University also will not lay off personnel during this phase of the retrenchment because it does not have insurance to cover unemployment compensation. In the short run, the payment of such compensation to furloughed staff would greatly reduce any savings made by personnel reduction.

We are, of course, renewing our total effort to achieve savings and generate additional income beyond those specific activities mentioned above. With interest rates again increasing, we are renewing our strong efforts to keep a maximum amount of the University's money invested at the highest possible rates. We must gain those higher interest earnings despite our reduced cash position which has resulted from delayed State subsidies. Our recently strengthened Development Fund staff is being called on to intensify our fund-raising efforts. Units providing services to the public are being asked to reassess their charges for such services to ensure that maximum income is gained. Where charges are not made we must determine whether to institute charges for services or eliminate the services. Clearly, in our state of emergency, we can no longer let federal price guidelines artificially limit justifiable charges for our services.

We are not forgetting that we face a longer-range future which will certainly be mortgaged by the current severe cuts, the existing erosion in faculty and staff salaries, the long backlog of equipment replacement and building repair needs, and other deferred problems that must

November 24, 1980 meeting, Board of Trustees

### REVISED BUDGET 1980-81: STATUS REPORT (contd)

be faced sooner or later. With the future catch-up required, we are determined to protect the University's endowment fund and its capital resources, including replacement funds for major equipment items and preventive maintenance of facilities. We must not leave this University to face the difficult times of the 1980's with the crib containing its seed corn laid bare by short-sighted attempts to meet the crises of the moment.

We will keep the Board and the University community informed of further developments as they occur.

President Enarson:

Mr. Chairman and Members of the Board, this is a special meeting of the Board of Trustees held in advance of its regularly scheduled meeting which is set for December 11. It is the first such special meeting that we have called in the 8-plus years that I have spent with the University. The occasion for this event is, of course, the second cut made in the instructional subsidy and in other items which bear on the budget of the University and which, by the same token, bear heavily upon the administration and upon the Board of Trustees.

Before asking Dr. Vandament to walk us through the revised budget status report which is in your agenda book, and before presenting the one item of action which we are here to recommend, I would simply say that the adjustments and the initiatives which we are talking about here today are directly, entirely, and exclusively related to the second three percent cut, and according to the information that Mr. Napier brought back from downtown (and he is sitting here in the audience should any of you care to address him) and according to the item by Duane St. Clair in the noon edition of the *Dispatch*, a meeting is to be held at four o'clock today--I assume in the Governor's office--to review the next steps. Obviously we have no way of knowing what action, if any, will be taken by the Governor and/or the General Assembly. So to repeat, the report which we present today relates entirely, exclusively, and totally to the second three percent cut; it relates in no way to any cut which may be taken in the future.

With that as preface, could I please ask Dr. Vandament to walk us through this presentation as expeditiously as possible.

Dr. Vandament:

All right. The report itself is contained in your books and I'll try to highlight some of the relevant facts. The first three percent cut in state funding reduced the University's funds by \$5.4 million; the second, likewise, by \$5.4 million so that in the aggregate there is a total reduction in state support to all of the operations of the University of \$10.8 million. Now, \$8.7 million of the \$10.8 million are to be borne by the unrestricted general funds, the funds which provide the primary support to our academic and support programs, and we will focus primarily on that unrestricted general funds portion today. The people in Cooperative Extension, the University Hospitals, and the other designated activities of the University are at work presently developing plans to respond to the aggregate of a six percent cut in state funding.



November 24, 1980 meeting, Board of Trustees

Dr. Vandament: (contd)

If we look at the general funds problem of \$8.7 million and relooking over our budget entirely, we are at this time revising income projections upward by \$1 million based on increased interest rates in the general economy. We are hoping that we can gain additional revenue from our cash management program of \$1 million to help offset this \$8.7 million deficit, so this would leave us then with a net aggregate \$7.7 million problem to deal with. You are aware of the actions we took during the first phase and those actions resulted in a total savings or increase in income to offset some \$4.95 million of that \$7.7 million deficit to the unrestricted general fund. To meet the remaining \$2.75 million deficit, we are proposing that there be an additional instructional fee increase of \$15 per quarter, effective Winter Quarter 1981, and this would gain the University \$1.2 million of the shortfall.

We have, as you know, currently a hiring freeze on personnel and a freeze on purchase of items of equipment that exceed \$500 in value. We propose to continue the hiring freeze indefinitely and to then establish a new umbrella ceiling-expenditure ceilings on each of the colleges and offices of the University to save an additional \$1.55 million. In the aggregate, therefore, to meet the \$8.7 million cutback, we are proposing an increase in instructional fees of \$15 per quarter effective with the Winter Quarter. In total, then, the budget adjustment would involve gaining \$1 million of increased revenue through our cash management program, gaining in the aggregate--from the earlier \$10 per quarter fee increase and the proposed \$15 per quarter fee increase, gaining another \$2.4 million. Tying in with that--counting the elimination of the midyear salary increase that we already effected which saves us \$1.36 million--then, in terms of retrenchment and savings, imposing savings and retrenchment targets totalling \$3.94 million to make up the remaining shortfall. I think that provides an overview of the plan.

We are, of course, looking to a variety of additional means to effect savings in the University and other means to increase our revenues, and we would be happy to speak to them if anyone is interested in those. If the increased revenues and any additional savings that we make are not necessary to meet any future cuts in state funding, we would apply the savings or increased revenue to offset or to provide some relief to our colleges and offices of the budget cuts that we are imposing.

Mr. Devenow: Any questions for Dr. Vandament?

Mr. Redman:

I would like to ask Dr. Vandament if this reduction--would it apply only to the balance of the current fiscal year, these measures that you speak of?

Dr. Vandament:

Yes, yes. Our problem now is one of reducing immediately our expenditures for the 1980-81 fiscal year.

Mr. Redman: Which ends June 30.

November 24, 1980 meeting, Board of Trustees

Dr. Vandament:

Which ends June 30, 1981, yes. There is a parallel budgetary process that will be undertaken shortly to consider the 1981-82 fiscal year. Now that parallel process will have to include also consideration of restoration of some of the items that we have cut during the 1980-81 year. In some instances, for example, with equipment replacement, we are deferring expenditures rather than being able to eliminate expenditures. In a sense we are mortgaging next year's budget, so next year's budget will also have to take that into account as we develop it.

Mr. Redman:

What you're saying is that we have to pick up \$8.7 million from the general funds.

Dr. Vandament: From the general funds.

Mr. Redman:

Seven months rather than twelve months. We have to get these savings within the next seven months. That's better than \$1 million per month.

Dr. Vandament: That's correct.

Mr. Devenow:

Bill, I don't want to get into this at this point, but I think the Board ought to be provided with a cash flow as well as a budget statement; in other words, where is there going to be anything to protect us against any mistake you might make in the next seven months?

Dr. Vandament:

Our cash flow situation is one in which the varying organizations and units within the University have different cash flow problems so we will have to or we have pulled together an aggregate cash flow picture. I might add that our cash position at this point is not as sound as it normally is because we are, at the same time that we are receiving budget cuts, we are also receiving late cash payments from the state for our instructional subsidy and late payments to the University Hospitals and the other operations as well. This is why in spite of the high interest rates we have now, we cannot project higher cash management returns. I think your question is appropriate.

Mr. Devenow:

I think, Bill, that we would like to see a cash flow statement; but suppose your target on \$1 million from money management does not prove itself out. We want to know where you are at 'cash-wise,' so we don't wake up some morning and find that you are out of money or you can't pay your bills.

Dr. Vandament: All right. I'll be happy--

Mr. Devenow:

I think the Board ought to have a copy of that and really study it. Any other questions of Dr. Vandament?

November 24, 1980 meeting, Board of Trustees

Mr. Smith:

The state deficit is about \$400 million and this retrenchment is three percent--\$50 million--leaves the state deficit around \$350 million yet to be handled one way or the other. To save \$50 million in their state budget takes in one percent of across-the-board cut in the budget including all segments of that budget. To make up \$350 million, we would have to have a seven percent across-the-board cut in all budgets in the state including higher education, primary and secondary education--everybody would have to receive it. Seven percent would have to be absorbed in six months, so it would have to be a fourteen percent annualized cut. Now we are talking about minor sums right now. When you're looking down the road at a figure like that, how are we going to handle a figure like that? I think we ought to think about that when we think about this.

President Enarson:

Could I make a quick comment before Bill attempts to respond to that? I made a brief comment before all the Board members were here and I think that comment bears repeating. You are exactly right; we are dealing here only with a known, definite cut: the second three percent cut. In no way are we dealing with the future. We are in the unenviable position of not knowing what order of magnitude of cut is likely or probable or certain--even worse, we don't know when that action will be taken, whether it will be taken at four o'clock today or whether it will be taken tomorrow or taken sometime this week or not taken until later. And to go back to Mr. Redman's point, the longer the delay, the greater the compounding of the problem. I said to the Chairman before the meeting began, we have our regularly scheduled Board meeting December 11 and clearly we will have before us extremely serious budgetary matters, but I would say that at such time as a decision is reached at the state level, it is essential that this Board be called into session just as quickly as we can have a quorum because at that time to the best of our ability we will pinpoint as best we can the nature of the situation and what steps we can take. One further quick comment, and that is I am reading with considerable interest, prurient interest, what other institutions in other states are doing. There is a certain amount of showboating that can take place that grabs the public attention, but I think the responsible course of action is to minimize the damage to the institution over time, and I simply want to assure all members of the Board that we're dedicated to just that. Bill--

Dr. Vandament:

Yes, clearly the plan that we are presenting today would not accommodate specifically for future cuts, although this plan does indicate some of the areas in which we are embarking on additional savings that we hope will not have to be used to meet future cuts, but can be used to soften the blow of some of the existing cuts. It would be our intent to respond very quickly to any further developments downtown but we do have some difficulty with running through a list of possibilities that might create undue panic within the University at this time.

Mr. Devenow:

We understand that, but I think what Warren is getting at, we asked about this at a prior meeting. You're in an economic war now and we want to know what all

November 24, 1980 meeting, Board of Trustees

Mr. Devenow: (contd)

your battle plans are--as Warren says if they break through your lines and you can't seal them up, where are we? In other words, let's assume that it gets worse and we want to know what your plans are when it does get worse and there's no use panicking about it but we will do something about it.

Dr. Vandament: Yes.

Mr. Devenow:

So get us prepared for it. I think that's what you're getting at. That's what you are getting at, isn't it, Warren?

Dr. Vandament:

We'll be prepared to release those quickly and in a timely fashion as soon as new developments occur.

Mr. Smith:

I would like to know, for example, endowment funds, can those be tapped? Are they restricted?

Dr. Vandament: Some are and some are not.

Mr. Smith:

Is it possible that we could make a one-time withdrawal from those to get us across this problem?

Dr. Vandament:

We could make a one-time withdrawal from some of those endowment funds.

Mr. Smith:

And maybe have the endowment funds subsidize this University and not the professors.

Dr. Vandament:

Well, the endowment fund would subsidize the University's problem for a short term but when we draw down the endowment, of course, we are in effect eating our seed corn for the future.

Mr. Smith: Well, sometimes you have to do that.

Mr. Devenow:

Warren, I think that would be an emergency measure but what I think you are asking for--

Mr. Smith: But that's what I would like to know.

November 24, 1980 meeting, Board of Trustees

Mr. Devenow:

Definitely, and I think you are entitled to know that and that's the thing, Bill, that we want you to look at and to produce for us.

Dr. Vandament: Yes, I'll be very happy to do that--well, not happy but--

Mr. Devenow:

That's one of those counter-productive things because if he does that then his money management may get into trouble.

Mr. Smith: So we are in trouble.

Mr. Devenow: We are in trouble. Any other questions of Dr. Vandament?

Dr. Jacob: I'd like to ask about the status of the state fee ceiling. Has that expired?

Dr. Vandament: No, that fee ceiling--

President Enarson: We're well within it.

Dr. Jacob: Will we be at the top of it with this latest increase?

Dr. Vandament: Not yet.

Dr. Jacob:

Still more room to go? When will that expire? That was for a specific period of time, wasn't it?

Dr. Vandament:

That would expire at the end of this biennium, so that if we're moving beyond that we would have to request special relief from it.

President Enarson: That was part of the budget, was it not?

Dr. Vandament: It was part of the appropriation bill for this biennium.

Dr. Jacob: Where are we going to be relative to that maximum with this increase?

Dr. Vandament:

Well, in part this depends upon the interpretation of the legislation because the legislation was framed in such a way that we were allowed to increase fees approximately three percent for every one percent which existed between the Consumer Price Index for calendar year 1979 and seven percent. This was, however, contingent upon a level of appropriation by the General Assembly which will no longer be held and so we would have to negotiate whether we would be allowed to reduce the threshold point because the appropriation level has not held to that contained in the original bill. My assumption is that we are not close to that limit.

Mr. Devenow: Any other questions? Mr. President--

November 24, 1980 meeting, Board of Trustees

President Enarson:

You have before you a specific recommendation which my colleagues and I submit with considerable reluctance.

Mr. Devenow:

Have you all had a chance to read the resolution? If not, I'll give you a minute to do so. Mr. President, do you want to read it or--

President Enarson:

Yes, I think it would be helpful because we have a number of interested people and they are symbolically representative of 59,000 students and 3,000 faculty and perhaps 21,000 persons on our payroll and untold numbers of parents and untold numbers of people who now enjoy the multiple services of this institution, including the Cooperative Extension work done in 88 counties.

#### **FEE INCREASES, EFFECTIVE WINTER QUARTER, 1981**

Resolution No. 81-59

*Synopsis: Authorization is requested to increase the instructional fee.*

WHEREAS the Instructional Subsidy from the State has already been reduced by \$9.1 million for 1980-81; and

WHEREAS major expenditure reductions already made by the University and planned for the future will leave the University's budget in a deficit condition unless accompanied by increases in income; and

WHEREAS an increase of \$15 per quarter for Winter and Spring Quarters for all students produces \$1.2 million; and

WHEREAS an increase in charges to students would offset approximately 28 percent of the most recent 3 percent cut to the general fund leaving \$3.15 million to be made up by other measures:

**NOW THEREFORE**

**BE IT RESOLVED**, That the instructional fee for full-time students be increased by \$15 a quarter, effective the Winter Quarter, 1981.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1981**

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
<b>Undergraduate</b>						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
The Arts						
Biological Sciences	0-1	\$ 51	\$ 9	\$ 60	\$ 38	\$ 98
Continuing Education	2	64	14	78	76	154
Dental Hygiene	3	77	19	96	114	210
Education	4	102	25	127	152	279
Engineering	5	129	31	160	190	350
Health, Physical Education and Recreation	6	155	38	193	228	421
Humanities	7	181	44	225	265	490
Journalism	8	207	50	257	303	560
Journalism	9	232	56	288	341	629
Mathematical and Physical Sciences	10	258	62	320	379	699
Mathematical and Physical Sciences	11	284	69	353	417	770
Music	12 or more	310	75	385	455	840
Natural Resources						
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
University College						

SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1981 (contd)

College or School	Credit Hours		General	Resident Total	Out-of-State Tuition	Non-Resident Total
	Enrolled	Instructional				
Graduate School	0-1	\$ 51	\$ 9	\$ 60	\$ 45	105
	2	82	15	97	91	188
	3	123	22	145	136	281
	4	164	30	194	182	376
	5	205	37	242	227	469
	6	246	45	291	273	564
	7	287	52	339	318	657
	8	328	60	388	364	752
	9	369	67	436	409	845
10 or more	410	75	485	455	940	
Graduate Professional						
Law	0-3	\$109	\$19	\$128	\$145	\$ 273
	4	145	25	170	193	363
	5	181	31	212	242	454
	6	217	38	255	290	545
	7 or more	435	75	510	580	1,090
Medicine	0-3	\$195	\$19	\$214	\$145	\$ 359
	4	260	25	285	193	478
	5	325	31	356	242	598
	6	390	38	428	290	718
	7 or more	780	75	855	580	1,435
Dentistry Optometry Veterinary Medicine	0-3	\$150	\$19	\$169	\$145	\$ 314
	4	200	25	225	193	418
	5	250	31	281	242	523
	6	300	38	338	290	628
	7 or more	600	75	675	580	1,255



SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1981 (contd)

College or School		Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
University Regional Campuses	Undergraduate	0-1	\$ 51	\$ 9	\$ 60	\$ 38	\$ 98
		2	64	12	76	76	152
		3	77	15	92	114	206
		4	102	20	122	152	274
		5	129	25	154	190	344
		6	155	30	185	228	413
		7	181	35	216	265	481
		8	207	40	247	303	550
		9	232	45	277	341	618
		10	258	50	308	379	687
		11	284	55	339	417	756
		12 or more	310	60	370	455	825
		Graduate		0-1	\$ 51	\$ 9	\$ 60
2	82			12	94	91	185
3	123			18	141	136	277
4	164			24	188	182	370
5	205			30	235	227	462
6	246			36	282	273	555
7	287			42	329	318	647
8	328			48	376	364	740
9	369			54	423	409	832
10 or more	410			60	470	455	925

November 24, 1980 meeting, Board of Trustees

**SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1981 (contd)**

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$60 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$60 for zero or one credit hour.

Graduate professional students (those enrolled in any quarter, term, or period for seven or more credit hours) will be assessed full fees. Fees for graduate professional students enrolled for six or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the minimum fee for fewer than three credit hours being the fee for three credit hours.

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The Board recessed in Executive Session for the purpose of discussing personnel-related issues.

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The Board reconvened following the Executive Session and the meeting adjourned without taking any action.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 11, 1980

The Board of Trustees met at its regular monthly meeting on Thursday, December 11, 1980, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, and Leonard J. Immke.

\* \* \*

Minutes of the November 7, 1980 and November 24, 1980 meetings were approved.

\* \* \*

December 11, 1980 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related matters and legal issues.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, and Leonard J. Immke.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### RESOLUTIONS IN MEMORIAM

Resolution No. 81-60

*Synopsis: Resolutions honoring the service of four of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Clifford A. Angerer

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 14, 1980, of Clifford A. Angerer, Professor Emeritus in the Department of Physiology.

Born in Philadelphia, August 9, 1905, Professor Angerer attended the public schools of that city and St. Stephens College, Columbia University, where he received his A.B. degree in zoology. He was an Instructor in zoology from 1935 to 1939 at the University of Pennsylvania where he received his Ph.D. degree in 1937. Professor Angerer, for many years, spent his summers as an Investigator at the Marine Biological Laboratory at Woods Hole, Massachusetts. He was appointed Instructor in physiology at The Ohio State University in 1939, Assistant Professor in 1943, Associate Professor in 1947, and Professor in 1954.

In 1928 and 1929, Clifford Angerer was awarded the Pyrun Prize in Biology at Columbia University. He was a Virginia Gibbs Scholar at Harvard University in 1929, a University Scholar at the University of Pennsylvania in 1932, and was appointed as a Harrison Fellow at the University of Pennsylvania in 1933 and 1934. Professor Angerer served as Membership Chairman in 1954 and Vice President for Medical Sciences of the Ohio Academy of Science in 1955; he served as a member of the John and Samuel Bard Award in Medical Science Committee in 1962. In 1964, he was elected by honor students at The Ohio State University as one of ten faculty "who had done the most to aid their college work."

December 11, 1980 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Clifford A. Angerer (contd)

As a member of the physiology faculty from 1939 until he retired in July 1976, Professor Angerer was well known for his pioneer work in the field of cellular physiology. His earlier work on the effects of mechanical pressure, temperature gradients, and electrical fields on the physical properties of protoplasm is widely quoted. Later, he and his students published many papers on the effect of steroid hormones on tissue metabolism, permeability and water balance in tissue. He also published on the effects of lipid diets on the metabolism of arteries, heart, and kidney in experimental atherogenesis. Although he published more than 70 papers, Clifford Angerer's greatest joy was in the accomplishments of his students, many of whom went on to administrative positions in the National Institutes of Health or became outstanding investigators in their own right and chaired departments of physiology.

Professor Angerer was a Fellow of the American Association for the Advancement of Science and the American Heart Association. He was a long-time member of the American Institute of Biological Sciences, American Physiological Society, American Society of Zoologists, Ohio Academy of Science, New York Academy of Science, and Sigma Xi. He was a charter member of the Society of General Physiologists.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Edward N. Cook

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 4, 1980, of Dr. Edward N. Cook, Assistant Professor Emeritus in the College of Dentistry.

Dr. Cook received his D.D.S. degree from The Ohio State University College of Dentistry in 1917. He was a member of the faculty from 1944-1963 when he retired. He also maintained a successful private practice.

Dr. Cook was a member of the Board of Regents of Capital University for 12 years. He was a life member of the American Dental Association, a member of the Ohio State Dental Association, Columbus Dental Society, and Grace Evangelical Lutheran Church. He was also a member of Psi Omega Dental Fraternity and Omicron Kappa Upsilon Dental Honorary Fraternity.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

December 11, 1980 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Jacqueline D. Sisson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 29, 1980, of Jacqueline D. Sisson, Professor in the University Libraries.

Ms. Sisson received her Bachelor of Arts degree in French in 1946 from The Ohio State University and joined the staff of the University Libraries in October 1947. She began service in the Fine Arts Library the following year, became Head of the Fine Arts Library in 1959, and was promoted to the rank of Professor in 1980.

From her first years with the University Libraries, Professor Sisson gave careful attention to selecting and acquiring books and journals needed to support research and teaching in the arts. During her tenure, the collections grew from 10,000 to over 60,000 volumes, achieved preeminence among Ohio's libraries, and gained a national reputation as a resource center for research in the arts field. Professor Sisson's sensitive understanding of the work of both scholars and students translated into a model of effective library service to the University community. Ms. Sisson's wider interest in research librarianship was manifest in the outstanding record of professional service and publication. She was the prime mover in the formation and continuing success of the consortium known as Art Research Libraries of Ohio, she served the Art Libraries Society of North America in many capacities, and she devoted much attention to cooperative endeavors among art librarians in several related professional associations. Her record of publications is extensive and was recognized in 1976 by the prestigious Professional Award of the Special Libraries Association. In August 1980, Professor Sisson received this University's Distinguished Service Award in recognition of her inspiring example of professional excellence and record of devoted service.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Robert E. Yoder

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 23, 1980, of Robert E. Yoder, Professor Emeritus in the Department of Agronomy.

Dr. Yoder was born on October 29, 1906, at Wooster, Ohio. He obtained his B.S. and Ph.D. degrees from the College of Agriculture and Home Economics at The Ohio State University, and in 1932 he was named Assistant Professor of soils and agricultural engineering at Alabama Polytechnic Institute (now Auburn University) and the Alabama Agricultural Experiment Station. He later returned to Ohio as Associate Agronomist at the Ohio Agricultural Research and Development Center.

Dr. Yoder was named Agricultural Research and Administration Advisor for the US/AID program at Punjab Agricultural University in Punjab, India, from 1963-65, and served the same post at the University of Udaipur in Rajasthan, India, from 1965-67.

December 11, 1980 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Robert E. Yoder (contd)

During his assignment in India, he was on leave from the Ohio Agricultural Research and Development Center. He returned to Wooster and assumed his Assistant Director's post at the Research Center in 1967. He retired and was named Assistant Director Emeritus at the OARDC in 1973 and Professor Emeritus in the Department of Agronomy at the University.

During his lifetime, he was active in the American Society of Agronomy, Soil Science Society of America, American Society of Agricultural Engineers, American Geophysics Union, Sigma Xi, Gamma Sigma Delta, Gamma Alpha, and Delta Theta Sigma.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy in its loss. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**DISTINGUISHED SERVICE AWARD**

Resolution No. 81-61

*Synopsis: Recommendation for one individual to receive a Distinguished Service Award is proposed.*

WHEREAS the President's Staff, serving as a Committee on Distinguished Service Awards, has nominated and recommended one individual for approval by the Board of Trustees to receive the Distinguished Service Award at a time convenient to the University and the recipient:

Arnold E. Ross

and

WHEREAS these awards are given in recognition of distinguished service to The Ohio State University and the awards are in accordance with action taken by the Board of Trustees in 1952:

NOW THEREFORE

BE IT RESOLVED, That the Distinguished Service Award be approved for awarding as designated above.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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December 11, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS**

Resolution No. 81-62

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointment, Medical Staff Appointments and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 7, 1980 meeting of the Board, including the following Appointment, Medical Staff Appointments and Emeritus Titles as detailed in the University Budget for 1980-81, be approved.

Appointment

Name: GERALD P. BRIERLEY  
Title: Professor and Acting Chairman  
Department: Physiological Chemistry  
Effective: December 5, 1980  
Salary: \$45,600.00 (12-month)  
Present Position: Professor, Department of Physiological Chemistry, The Ohio State University

Medical Staff Appointments

Effective November 12, 1980

Name	Appointment	Clinical Division
C. Patrick Carroll, M.D. James Tanley, Ph.D.	Courtesy Staff Associate Staff	Ophthalmology Physical Medicine and Rehabilitation
David E. Roberts, M.D.	Transfer from Courtesy Staff to Attending Staff	Preventive Medicine (Emergency Medicine)
Theophil T. Sutton, M.D.	Transfer from Attending Staff to Courtesy Staff	Preventive Medicine (Emergency Medicine)
David S. Mendelowitz, M.D. William Hughes, M.D.	Limited Staff Courtesy Staff (Transfer from General Medicine to Allergy)	Surgery Medicine
William F. Mitchell, M.D.	Courtesy Staff (Transfer from Rheumatology to Allergy)	Medicine

Emeritus Titles

BRUCE D. GRAHAM, Department of Pediatrics, with the title Professor Emeritus, effective July 1, 1981.

HERBERT H. HADLEY, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective December 1, 1980.



December 11, 1980 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

CLYDE H. KEARNS, JR., Department of Engineering Graphics, with the title Professor Emeritus, effective February 1, 1981.

ALBERT ROMEO, Department of Engineering Graphics, with the title Professor Emeritus, effective February 1, 1981.

RUDOLPH SPEISER, Department of Metallurgical Engineering, with the title Professor Emeritus, effective July 1, 1980.

PAUL T. YARRINGTON, Department of Engineering Graphics, with the title Professor Emeritus, effective January 1, 1981.

Upon motion of Mr. Immke, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-64

*Synopsis: The report on contracts, grants, and gifts and the summary for October are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the month of October 1980, be approved.

Dr. Jacob: Could I ask a question here?

President Enarson: Yes.

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

Dr. Jacob:

On B under Part I, \$1,250,000—is that cash that comes in in this time frame on long-range commitments that people have made—that they say they're going to pay part of it in this year and then part of it in subsequent years, is that what that represents?

Dr. Vandament:

It really is a combination of that sort of thing plus instances in which we may have been left funds in the estate, been named in estates--it also represents that kind of settlement as well.

President Enarson:

On the next page you'll see a--this is the first time we have presented this kind of data and I hasten to say that it's dangerous to make too much of any one figure here because you have to look at giving over a period of time before you can find much that is meaningful. But the overall percentage, I think, is heartening because we seem to be up in a number of categories, and with respect to the totals, we've got a percentage change of 74.8 per cent. Very quickly, we are also trying to get a better definition of numbers of donors because to the extent that we count small gifts which come in in response to the pleas of WOSU, we are confusing the picture, so we're working that out. I believe we do need a motion.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

Mr. Havens:

Mr. Chairman, it seems to me that the gain of 74.8 per cent in those three months, that's just fantastic and Mr. Buxton certainly ought to be complimented. Both in numbers and dollars, he's really got this thing going, I think. It's pretty darn encouraging.

President Enarson:

We're surely hoping it's not an aberration. It's not the result of any one big gift, I made sure that that wasn't true.

Mr. Havens:

That's great. The whole department sounds like they're getting moving.

Mr. Devenow: Okay, thank you, Jack; it's very gratifying.

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR OCTOBER 1980**

Source	No. of Projects	Support Level
Office of Business and Administration	2	\$ 42,000.00
The Ohio State University Research Foundation	79	6,856,913.60
Engineering Experiment Station	55	434,829.00
		\$7,333,742.60

**The Ohio State University Development Fund**

**Establishment of Named Funds**

Dr. L. S. Pettit Pedodontic Endowment Fund (Pedodontic Post-Graduate Training Program)	\$ 10,260.37
Price Family Agricultural Fund (College of Agriculture)	\$ 9,450.00

**Report from Presidents Club**

Members to date	4,425
1980: year to date	1,046
New members - October 1980	13

**New Presidents Club Members - October 1980**

Elliott Bonnie III	Thomas B. Hobson
Don L. Bremer	Michael G. Murphy
Alfred G. Cochran	James A. Page
John T. Edwards, Sr.	Marc Hamilton Stone
H. J. Eichel	Roy Allen Wentzel
Fredric A. Goodman	Alan C. Williams
Edith Hamilton Herrel	

December 11, 1980 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

FISCAL YEAR 1980-81

THREE MONTHS AT SEPTEMBER 30, 1980

I. Liquid Assets (cash and securities)		
A. Current Solicitation Results		\$2,394,448.94
B. Previously Established Pledges		1,256,494.90
II. Gifts-in-Kind		303,913.57
	TOTAL	\$3,954,857.41
III. Pledges Established		170,000.00
	GRAND TOTAL	\$4,124,857.41
IV. Deferred Gifts Established		
(See following page for calendar year report)		

December 11, 1980 meeting, Board of Trustees

**DEVELOPMENT FUND PROGRESS REPORT**

**FISCAL YEAR 1980-81**

**3 MONTHS (JULY, AUGUST AND SEPTEMBER, 1980)**

Number of Dollars	1980-81	1979-80	Increase (Decrease)	Percentage Change
Annual Giving	\$ 477,248.14	\$ 348,162.47	\$ 129,085.67	37.1
Deferred Giving	1,220,947.25	177,799.77	1,043,147.48	586.7
Major Individual	389,835.42	378,101.11	11,734.31	3.1
Corporate	1,032,396.44	614,492.20	417,904.24	68.0
Corporate Foundations	299,362.55	169,048.00	130,314.55	77.1
Private Foundations	250,350.27	92,092.57	158,257.70	171.9
Other Organizations	284,717.34	482,043.07	(197,325.73)	(40.9)
<b>TOTALS</b>	<b>\$3,954,857.41</b>	<b>\$2,261,739.19</b>	<b>\$1,693,118.22</b>	<b>74.8</b>

Number of Donors	1980-81	1979-80	Increase (Decrease)	Percentage Change
Annual Giving	15,751	10,672	5,079	47.6
Deferred Giving	22	18	4	22.2
Major Individual	355	348	7	2.0
Corporate	462	269	193	71.8
Corporate Foundations	68	91	(23)	(25.3)
Private Foundations	30	37	(7)	(18.9)
Other Organizations	181	399	(218)	(54.6)
<b>TOTALS</b>	<b>16,869</b>	<b>11,834</b>	<b>5,035</b>	<b>42.6</b>

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

**Federal Research Contracts/Grants**

\$33,000.00 - Department of Justice, Law Enforcement Assistance Administration, Washington, D. C., Law Enforcement Education Program, Student Financial Aids, August 1, 1980 through July 31, 1981. (Grant No. P00-80-57600)

\$9,000.00 - Small Business Administration, Washington, D. C., Small Business Institute, Academic Faculty of Management Sciences, October 1, 1980 through September 30, 1981. (Contract No. SBA-5279-MA-81)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$42,000.00**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$2,274,188.00 - Department of Health and Human Services, Social Security Administration, Division of Contracts and Grants Management, Baltimore, Maryland, A Study to Determine Extent of Impairment and Potential Social Security Disability Eligibles, Mershon Center for Education in National Security (S. Z. Nagi), 29 September 1980 through 28 September 1982. (Project 762426 - New)

\$586,366.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Utilization of Technology in the Development of Basic Skills Instruction (Mathematics), Academic Faculty of Early and Middle Childhood Education (M. L. Languis and S. Damarin) and Academic Faculty of Science and Mathematics Education (R. J. Shumway), 1 October 1980 through 30 September 1982. (Project 762431 - New)

\$315,000.00 - Department of Labor, Occupational Safety and Health Administration, Washington, D. C., Development of Occupational Safety and Health Training/Education and Related Assistance Capabilities, College of Administrative Science - Continuing Education (C. J. Slanicka and R. M. Montgomery), 1 October 1980 through 30 September 1981. (Project 761381 - Continuation)

\$224,892.00 - Environmental Protection Agency, Washington, D. C., Information Collection, Analysis and Dissemination, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 November 1980 through 31 October 1981. (Project 762463 - Continuation)

\$150,392.00 - National Science Foundation, Washington, D. C., Rainfall Studies Using the Differential Reflectivity Radar Techniques, Department of Electrical Engineering (T. A. Seliga and V. N. Bringi), 15 August 1980 through 31 August 1981. (Project 762445 - Continuation)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$117,682.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Ceramic Microstructure Development, Department of Ceramic Engineering (D. W. Readey), 1 October 1980 through 31 October 1981. (Project 762134 - Continuation)

\$94,614.00 - Environmental Protection Agency, Washington, D. C., Biological Adequacy and Toxicity of Selenium Compounds from Food and Water, Department of Pharmacology (D. Couri), 28 May 1980 through 27 May 1981. (Project 760973 - Continuation)

\$90,341.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Theoretical Foundations of Software Technology, Department of Computer and Information Science (B. Chandrasekaran, L. J. White, and H. W. Buttelmann), 1 October 1980 through 30 June 1981. (Project 761640 - Continuation)

\$88,547.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells, *In Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 October 1980 through 30 June 1981. (Project 762178 - Continuation)

\$80,574.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *In Vitro*, College of Pharmacy (D. T. Witiak), 1 October 1980 through 30 June 1981. (Project 762177 - Continuation)

\$76,978.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Oxidation Resistance and Magnetic and Mechanical Properties of Fe, Si and Al Alloys, Department of Metallurgical Engineering (G. W. Powell), 1 October 1980 through 30 September 1981. (Project 762438 - New)

\$68,772.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Pedestrian Impact Modeling, Department of Mechanical Engineering (D. A. Guenther), 1 October 1980 through 30 September 1981. (Project 762430 - New)

\$65,000.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Long Bone and Joint Response to Mechanical Loading (Biomechanics of Flail Injuries), Department of Engineering Mechanics (A. E. Engin), 1 October 1980 through 31 March 1981. (Project 761590 - Continuation)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$64,817.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., The Electrophysiologic Mechanisms of Halogenated Alkane Arrhythmogenesis, Department of Veterinary Physiology and Pharmacology (S. M. Strauch), 1 October 1980 through 31 August 1981. (Project 761648 - Continuation)

\$64,756.00 - Department of the Navy, Naval Air Systems Command, Washington, D. C., Research on Near Field Pattern Effects, Department of Electrical Engineering, ElectroScience Laboratory (W. Burnside), 29 September 1980 through 28 September 1981. (Project 762429 - New)

\$60,500.00 - Department of Energy, Chicago Operations and Regional Office, Solar Energy Research Institute Site Office, Argonne, Illinois, An FMN Photosystem I Solar Battery, Department of Biochemistry (E. Gross), 1 September 1980 through 31 August 1981. (Project 761812 - Continuation)

\$59,719.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. R. Blakeslee), 1 October 1980 through 30 June 1981. (Project 762179 - Continuation)

\$56,225.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 October 1980 through 30 June 1981. (Project 761657 - Continuation)

\$55,863.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Simulation Studies of Apportionment of Braking Effort for the Development of Truck Braking Standards, Department of Mechanical Engineering (G. L. Kinzel and K. Waldron), 1 October 1980 through 30 September 1981. (Project 762085 - Continuation)

\$54,000.00 - National Science Foundation, Washington, D. C., Development and Expression of Bacterial Viruses in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 November 1980 through 31 October 1981. (Project 761938 - Continuation)

\$51,915.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Conduction Heat Transfer Analysis in Composite Materials, Department of Mechanical Engineering (L. S. Han), 1 November 1980 through 31 October 1981. (Project 761108 - Continuation)



December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$50,000.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Citizen Education for Cultural Understanding, Mershon Center for Education in National Security (R. Remy), 1 September 1980 through 31 August 1981. (Project 762442 - New)

\$50,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Changes in the Organ of Hearing Produced by Sound, Department of Otolaryngology (D. J. Lim and W. Melnick), 1 October 1980 through 30 September 1981. (Project 762072 - Continuation)

\$49,995.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Problems of Statistical Inference and Optimization with Special Applications, Department of Statistics (J. S. Rustagi and E. J. Dudewicz), 1 October 1980 through 30 September 1981. (Project 761219 - Continuation)

\$49,796.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Health Clinical Center, Bethesda, Maryland, Volunteer for Participation in Medical Research Project, Department of Entomology (J. D. Briggs), 1 October 1980 through 30 September 1981. (Project 761886 - Continuation)

\$49,712.00 - Department of the Navy, Naval Air Development Center, Warminster, Pennsylvania, On Aircraft Antennas, Department of Electrical Engineering, ElectroScience Laboratory (R. Rudduck), 22 September 1980 through 30 September 1981. (Project 762414 - New)

\$47,128.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Separated Flows, Department of Aeronautical and Astronautical Engineering (O. R. Burggraf), 1 January 1981 through 31 December 1981. (Project 760325 - Continuation)

\$41,273.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Rockville, Maryland, National Workshop on Nursing Criteria: Quality Assurance in Ambulatory Settings for Children Who Have Handicapping Conditions, Nisonger Center for Mental Retardation (E. H. King), 1 October 1980 through 30 September 1981. (Project 762470 - New)

\$41,018.00 - Department of Education, Rehabilitation Services Administration, Grant and Procurement Management Division, Washington, D. C., Traineeships in Speech Pathology and Audiology, Department of Communication (E. J. Hardick), 1 September 1980 through 31 August 1981. (Project 760885 - Continuation)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$40,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Improved Modeling with Injury Prediction Capability of Human Shoulder Complex, Department of Engineering Mechanics (A. Engin), 1 October 1980 through 30 September 1981. (Project 762205 - Continuation)

\$37,328.00 - Agency for International Development, Washington, D. C., Rural Poor Survey in El Salvador: Landless, Women and Off-Farm Employment, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and W. L. Flinn), 1 October 1980 through 30 September 1981. (Project 761220 - Continuation)

\$33,082.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Ohio Expanded MEDHIC Effort, College of Medicine - Administration (M. V. Brown), 30 September 1980 through 28 February 1981. (Project 761854 - Continuation)

\$31,659.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Studies of Airfoils for Propeller Applications (Acoustics/Performance), Department of Aeronautical and Astronautical Engineering (K. D. Korkan), 27 October 1980 through 26 October 1981. (Project 762433 - New)

\$30,407.00 - National Science Foundation, Washington, D. C., Fabric Development in Polar Ice, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans) and Institute of Polar Studies (J. F. Bolzan), 1 November 1980 through 31 October 1981. (Project 762446 - New)

\$30,299.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Develop Fire Hazard Test Methods for Packaging Materials, Department of Chemical Engineering (E. E. Smith), 1 October 1980 through 30 September 1981. (Project 762443 - New)

\$25,000.00 - Federal Emergency Management Agency, Washington, D. C., Studies of Disaster Evacuation Behavior and Problems, Department of Sociology (E. L. Quarantelli), 1 April 1980 through 31 December 1980. (Project 762432 - Continuation)

\$24,732.00 - Department of Health and Human Services, Office of Human Development Services, Administration on Aging, Washington, D. C., Working with Older People, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 March 1981. (Project 762449 - New)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$23,916.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, On-Board Portable Data Acquisition and Processing for Vehicle Testing, Department of Electrical Engineering (H. Hemami), 1 January 1981 through 31 December 1981. (Project 761987 - Continuation)

\$18,800.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Development of Methodology for Thoracic Injury Criteria, Department of Electrical Engineering (H. Hemami), 1 October 1980 through 30 June 1981. (Project 762456 - New)

\$16,725.00 - Agency for International Development, Santo Domingo, Dominican Republic, Evaluation of Feasibility of Conducting a Watershed Development Project in the Dominican Republic, College of Agriculture and Home Economics, International Programs in Agriculture (D. O. Hansen and M. G. Smith), 30 September 1980 through 31 December 1980. (Project 762447 - New)

\$10,926.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Psychiatry (Child) Residency, Department of Psychiatry (L. E. Arnold), 1 July 1980 through 30 June 1981. (Project 761764 - Continuation)

\$9,999.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Analytical Model of Children in Panic Braking Environment, Department of Mechanical Engineering (D. A. Guenther), 1 October 1980 through 31 March 1981. (Project 762253 - Continuation)

\$6,540.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Further Studies of the UV Spectra of Late-Type Stars, Department of Astronomy (R. F. Wing), 1 June 1981 through 31 May 1982. (Project 761634 - Continuation)

\$2,500.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (B. H. Walter, R. Marhefka, and R. C. Rudduck), 15 September 1980 through 30 September 1980. (Project 761784 - Continuation)

\$2,500.00 - Department of the Navy, David W. Taylor Naval Ship Research and Development Center, Annapolis, Maryland, Implant Tests on High Strength Steel, Department of Welding Engineering (D. Howden), 18 September 1980 through 31 December 1980. (Project 762406 - New)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$287.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Pathogenesis of Canine Distemper Demyelinating Encephalitis, Department of Veterinary Pathobiology (A. Koestner), 1 August 1979 through 31 July 1980. (Project 761225 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$5,424,763.00**

**State of Ohio Research Contracts/Grants**

\$150,000.00 - State of Ohio, Department of Commerce, Division of Real Estate, Columbus, Ohio, Center for Real Estate Education and Research, College of Administrative Science, Center for Real Estate Education and Research (R. L. Racster), 1 July 1980 through 30 June 1981. (Project 762469 - Continuation)

\$31,000.00 - The Ohio Program in the Humanities, Columbus, Ohio, "Off the Job": The Ohio Labor History Film Project, College of Administrative Science - Continuing Education (C. J. Slanicka and D. B. Patton), 1 February 1980 through 30 September 1980. (Project 761922 - Continuation)

\$23,000.00 - Ohio Historical Society, Columbus, Ohio, Regional Preservation Office 7HA, Mansfield Campus (D. W. Kramer and S. McQuillin), 1 October 1980 through 30 September 1981. (Project 762441 - Continuation)

\$21,870.00 - State of Ohio, Department of Education, Columbus, Ohio, Field Development Proposal: A Model for Cooperative Teacher Education, College of Education - Administration (R. A. Burnham and N. L. Zimpher), 1 January 1981 through 31 December 1981. (Project 762436 - New)

\$21,682.00 - Ohio Historical Society, Columbus, Ohio, Regional Archaeological Preservation Office 4A, Mansfield Campus (D. W. Kramer and D. R. Morse), 1 October 1980 through 30 September 1981. (Project 762440 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 247,552.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$473,282.00 - University of Cincinnati, Cincinnati, Ohio, Planning, Development and Operation of an Area Health Education Centers Program (AHEC), College of Medicine - Administration (M. Tzagournis and G. L. Trzebiatowski), 30 September 1980 through 31 December 1981. (Project 762437 - Continuation)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$125,000.00 - Battelle Memorial Institute, Office of Nuclear Waste Isolation, Columbus, Ohio, Experimental and Analytical Studies of the Thermal Aspects of Deep Geological Disposal of Commercial Nuclear Wastes, Department of Mechanical Engineering (R. N. Christensen), 1 October 1980 through 31 January 1981. (Project 761731 - Continuation)

\$104,020.00 - University of Minnesota, St. Paul, Minnesota, Agreement Between The Ohio State University Research Foundation and The University of Minnesota, Cooperative Extension Service - State Operations (C. W. Young) and College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith), 15 October 1980 through 14 October 1982. (Project 762455 - New)

\$95,000.00 - University of California, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Producers, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith) and Department of Agronomy (R. W. VanKeuren), 1 June 1980 through 31 January 1981. (Project 761949 - Continuation)

\$83,597.00 - Ministry of Education, Government of Malaysia, Kuala Lumpur, Malaysia, Malaysian Staff Training Programme, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762459 - New)

\$34,100.00 - Hamilton Standard, Division of United Technologies, Windsor Locks, Connecticut, Advanced Airfoils for Propeller Applications, Department of Aeronautical and Astronautical Engineering (K. D. Korkan), 29 August 1980 through 31 December 1980. (Project 762377 - Continuation)

\$33,731.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Evolution and Mechanisms of Symbiont-Host Recognition on Two Insect Disorders, Department of Medical Microbiology and Immunology (N. L. Somerson), 1 March 1981 through 28 February 1982. (Project 761856 - Continuation)

\$30,000.00 - U. S. - Spanish Joint Committee for Scientific and Technological Cooperation, Madrid, Spain, Paleomagnetic Study of Upper Carboniferous Coal-Bearing Strata in Northwest Spain, Department of Geology and Mineralogy (H. C. Noltimier), 1 June 1980 through 31 May 1981. (Project 761703 - Continuation)

\$28,781.00 - Associated Builders and Contractors, Incorporated, Washington, D. C., Associated Builders and Contractors Instructional Materials Development Project, Academic Faculty of Industrial Technology (D. G. Lux), 1 September 1980 through 31 August 1981. (Project 762435 - New)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$20,413.00 - Philip Morris Research Center, Richmond, Virginia, Effects of Nicotine on Learning and Memory, Department of Psychology (G. G. Berntson), 1 September 1980 through 31 August 1981. (Project 760715 - Continuation)

\$20,168.00 - Battelle Memorial Institute, Columbus Laboratories, Columbus, Ohio, Large Animal Preclinical Evaluations of Pharmacodynamic Effects of Anti-neoplastic Compounds on the Cardiovascular System, Department of Veterinary Physiology (R. L. Hamlin), 1 September 1980 through 31 October 1980. (Project 760245 - Continuation)

\$18,014.00 - The Columbus Foundation, Columbus, Ohio, Composition Outreach, Department of English (F. O'Hare), 1 November 1980 through 31 October 1981. (Project 762467 - New)

\$17,973.00 - Franklin County Mental Health and Retardation Board, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (F. A. Benson), 1 November 1980 through 30 September 1981. (Project 762450 - New)

\$14,997.00 - University of Tennessee, Knoxville, Tennessee, Modeling for Ultrasonic NDE of Columnar Structure in Anisotropic Materials, Department of Welding Engineering (L. Adler), 1 October 1980 through 28 February 1981. (Project 762453 - New)

\$14,698.00 - Ribbon Technology Corporation, Canal Winchester, Ohio, Thin Steel Sheet Made from Melt Extracted Flake, Department of Metallurgical Engineering (C. E. Mobley), 1 September 1980 through 28 February 1981. (Project 762397 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Acebutolol: A Threat of Toxic Metabolites, Department of Pharmacology (B. D. Andresen), 1 October 1980 through 30 September 1981. (Project 762457 - New)

\$12,000.00 - University of Tennessee, Knoxville, Tennessee, Ultrasonic Methods to Study Shadow Boundaries of Diffracting Cracks - Ultrasonic Caustics in NDE, Department of Welding Engineering (L. Adler), 15 September 1980 through 31 December 1980. (Project 762452 - New)

\$8,375.00 - Purdue University, West Lafayette, Indiana, The Electric Utility Regulatory Aspects of Electric Vehicle Commercialization, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 11 August 1980 through 11 September 1980. (Project 762347 - New)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$8,336.00 - General Foods Corporation, Pet Foods Division, White Plains, New York, Evaluation of Semi-Moist Food Formulae for Susceptibility to Mite Infestation, Department of Entomology (D. E. Johnston), 1 September 1980 through 31 August 1981. (Project 762464 - New)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Biological Effects of Ultrasound on Mammary Cells, Department of Radiology (A. K. Freimanis and L. J. Bronn), 15 October 1980 through 14 October 1981. (Project 762465 - New)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, tRNA Transglycosylase in Neoplastic Transformation, Department of Physiological Chemistry and Cancer Research Center (R. W. Trewyn), 15 October 1980 through 14 October 1981. (Project 762451 - New)

\$3,921.60 - Licking County, Ohio, Joint Vocational School District, Newark, Ohio, Projected Enrollments for the School Districts in the Licking County, Ohio, Joint Vocational School District, Academic Faculty of Educational Administration (A. E. Wohlers), 1 September 1980 through 30 April 1981. (Project 762448 - New)

\$3,864.00 - Otterbein College, Westerville, Ohio, Assistance with Administrative Programming and Counseling, Academic Faculties of Special Services and Educational Administration (R. F. Rodgers), 1 October 1980 through 31 May 1981. (Project 762444 - New)

\$3,339.00 - Brevard Community College, Cocoa, Florida, Postsecondary Alliance - Evaluation Program Option A - Clearinghouse, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1981. (Project 762195 - Continuation)

\$2,700.00 - Columbus Metro, Columbus, Ohio, Career Guidance Institute, Academic Faculty of Special Services (H. J. Peters), 1 September 1980 through 31 March 1981. (Project 762458 - New)

\$2,000.00 - Midlands Technical College, Columbia, South Carolina, and Durham Technical Institute, Durham, North Carolina, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$1,514.00 - State of Arkansas, Office of the Attorney General, Little Rock, Arkansas, Comments on Arkansas' Proposed Rules on Utility Adjustment Clauses, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 21 October 1980 through 28 October 1980. (Project 762462 - New)

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$775.00 - Oregon State University, Corvallis, Oregon, Socioeconomic Analysis of Repository Siting, Department of Agricultural Economics and Rural Sociology (T. L. Napier), 17 July 1980 through 31 December 1980. (Project 762312 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,184,598.60**

**ENGINEERING EXPERIMENT STATION**

**Federal Sponsored Development**

\$14,158.00 - two sponsors for two development projects under the direction of two departments.

**Industrial and Other Sponsored Research and Development**

\$115,950.00 - Electric Power Research Institute, Palo Alto, California, Transmission Grounding Task 1: Perform Scale Model Tests, Department of Electrical Engineering, October 1, 1980 through September 30, 1981. (EES 621/529621)

\$6,624.00 - Electric Power Research Institute, Palo Alto, California, Study of Electrostatic DC Fields in Converter Stations, Extension 3, Department of Electrical Engineering, July 1, 1980 through December 31, 1980. (EES 571/529051, Extension 3)

\$298,097.00 - various sponsors for 51 development projects under the direction of seven departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$420,671.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$58,660.42 - Estate Under the Will of Walter J. Bucher, Dayton, Ohio, for Ernestine G. Wampler Bucher Fund.

\$50,000.00 - James D. Casto, North Miami, Florida, for James D. Casto Heart Research Fund.



December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$43,183.76 - Louise Orr Scott Foundation, Columbus, Ohio--\$32,387.82 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$10,795.94 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$39,500.00 - The Standard Oil Company, Cleveland, Ohio--\$25,000.00 for College of Engineering Campaign; \$7,000.00 for Sohio Chemical Engineering Fund; \$5,000.00 for College of Administrative Science Fund; \$2,500.00 for Affirmative Action Program in Engineering Fund.

\$36,763.00 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, for Clinical Pharmacology Fund.

\$27,500.00 - Shell Companies Foundation, Inc., Houston, Texas--\$7,500.00 for Shell Companies Foundation Fund for Electrical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Metallurgical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Chemistry; and \$5,000.00 for Mechanical Engineering Coal Combustion Laboratory Fund.

\$17,330.00 - SISA Incorporated, Cambridge, Massachusetts, for Clinical Pharmacology Fund.

\$16,255.00 - American Electric Power Company, Inc., Columbus, Ohio, for American Electric Power Company Fellowship.

\$15,631.66 - The Textron Corporation, Providence, Rhode Island, for Joseph B. Collinson Scholarship Fund.

\$15,000.00 - Adria Laboratories, Inc., Columbus, Ohio, for Clinical Pharmacology Fund.

\$14,165.34 - Sterling-Winthrop Research Institute, Rensselaer, New York--\$10,832.00 for Amrionone Research Dynamics and \$3,333.34 for Amrionone Research - Hematology Fund.

\$13,213.56 - The Grand Chapter of Ohio, Order of the Eastern Star, Danville, Ohio--\$8,038.88 for Cancer Research Fund and \$5,174.68 for Cardiovascular Research.

\$12,500.00 - The Leo Yassenoff Foundation, Columbus, Ohio--\$7,500.00 for Student Athlete Grant-in-Aid Fund; \$1,000.00 for Dean's Education and Research Fund in Veterinary Medicine; \$1,000.00 for Dean's Discretionary Fund for Biological Sciences; \$1,000.00 for College of Education Dean's Discretionary Fund; \$1,000.00 for College of Engineering Special Fund; and \$1,000.00 for Pharmacy Fund.

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$12,165.00 - Laborers' District Council of Ohio, Columbus, Ohio, for Peter Fosco/Laborers' District Council of Ohio Scholarship Fund.

\$12,000.00 - Ulrich Saxer, M.D., Columbus, Ohio, for Veterinary Surgery Research.

\$10,422.00 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,000.00 - Mr. and Mrs. John W. Galbreath Fund of the Columbus Foundation, Columbus, Ohio (given in the name of John Galbreath), for Sphinx 75th Anniversary Gift Fund.

\$10,000.00 - Union Carbide Corporation, Tarrytown, New York--\$5,000.00 for Union Carbide Corporation Fellowship and Grant-in-Aid Fund in Chemical Engineering; \$3,000.00 for Affirmative Action Program in Engineering Fund; and \$2,000.00 for Union Carbide Fund.

\$9,450.00 - William H. Price, II, Maumee, Ohio, for Price Family Agriculture Fund.

\$8,050.00 - The Edward Orton, Jr., Ceramic Foundation, Columbus, Ohio, for John L. Carruthers Fellowship in Ceramic Engineering.

\$8,000.00 - The Arthritis Foundation, Columbus, Ohio, for Arthritis Education Fund.

\$8,000.00 - George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation for Enology and Viticulture.

\$7,800.00 - Weirton Steel, Weirton, West Virginia, for National Steel Fellowship in Metallurgical Engineering.

\$7,685.19 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$6,734.47 - Cravat Coal Company, Cadiz, Ohio, for Ohio 4-H Foundation Support Fund.

\$6,656.25 - Eastman Kodak Company, Rochester, New York, for Kodak Scholarship Program in Engineering Fund.

\$6,433.00 - A. H. Robbins Company, Inc., Richmond, Virginia, for EPR-OBS Fund.

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$6,335.23 - Trust Under the Will of Carl M. Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$6,000.00 - F. Joseph Lamb, Warren, Michigan, for Gear Dynamics and Gear Noise Research Laboratory Fund.

\$5,344.00 - Tom Ross Montei, Columbus, Ohio--\$4,000.00 for Friends of WOSU and \$1,344.00 for Presidents Club Special Fund.

\$5,124.07 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$5,000.00 - Chicago Sun-Times Charities Fund of the Field Enterprises Charitable Corporation, Chicago, Illinois, for Milton Caniff Research Room.

\$5,000.00 - Columbus and Southern Ohio Electric Company, Columbus, Ohio, for Ohio Electric Utility Institute Fellowship Fund.

\$5,000.00 - The Doody Company, Columbus, Ohio, for College of Administrative Science Fund.

\$5,000.00 - The Samuel Mendel Melton Foundation, Columbus, Ohio, for Melton Fund.

\$5,000.00 - The Peat, Marwick, Mitchell Foundation, New York, New York, for Peat, Marwick, Mitchell Beta Alpha Psi Seminar Fund.

\$5,000.00 - Dr. M. Henry Speck, Youngstown, Ohio, for Drs. M. Henry and Myron E. Speck Fund.

**Gifts-in-Kind**

\$25,252.00 - Dr. Dwight M. DeLong, Columbus, Ohio.

\$8,774.00 - James Demler, Arlington, Ohio.

December 11, 1980 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**Dr. L. S. Pettit Pedodontic Endowment Fund**

The Dr. L. S. Pettit Pedodontic Endowment Fund was established December 11, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni from the Pedodontic Training Program, College of Dentistry.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support activities associated with the Pedodontic Post-Graduate Training Program.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Dentistry.

**Price Family Agricultural Fund**

The Price Family Agricultural Fund was established December 11, 1980, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Sanford G. Price, B.S.Agr. '19.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual interest from the principal will be used to provide scholarship and program assistance for the College of Agriculture. The Chairman of the Department of Agricultural Economics in conjunction with the Dean of the College of Agriculture will have latitude to determine the use of the funds.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the study of agricultural education.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-64

*Synopsis: Plans and specifications are being proposed for the following projects.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**BULK CHEMICAL WAREHOUSE**

**Project:** This project will provide space to house a bulk chemical warehouse, laboratory reagent manufacturing facility and a low-level radioactive waste processing facility to prepare the materials for shipment to disposal sites in accordance with Federal and other regulations.

**Funding:** Budget Account 882046

**Estimated Project Cost:** \$1,190,000.00

**ROOF REPLACEMENTS - 1981**

**Project:** This project work will restore adequate roofing systems for Robinson Laboratory, Plumb Hall, Optometry Building and Mershon Auditorium. The existing roofing on each of these buildings has deteriorated and is in need of complete new roofing.

**Funding:** Budget Account 210134 (Supplemental Contract Repair - 1980)

**Estimated Project Cost:** \$ 337,000.00

**MASONRY REPAIRS (EXTERIOR) - 1981**

**Project:** Repair deteriorated masonry on Graves Hall, Koffolt Laboratory, Civil and Aeronautical Engineering and Scott Hall.

**Funding:** Budget Account 210134 (Supplemental Contract Repair - 1980)

**Estimated Project Cost:** \$ 161,000.00

December 11, 1980 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**DERBY HALL, INSTALLATION OF SPRINKLER SYSTEMS FOR FIRE PROTECTION**

**Project:** Installation of complete automatic sprinkler protection in the Bookstore area of Derby Hall. The system is designed so that it can be enlarged to cover the entire building. This project is the final one in a series of partial sprinkler systems funded in the safety program approved and funded by the Ohio Board of Regents in October, 1975.

**Funding:** Budget Account 885043 (Campus Safety Improvements/received funds from Ohio Board of Regents)

**Estimated Project Cost:** \$ 60,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids *at such time as the University budget situation is clarified*, and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS**

Resolution No. 81-65

*Synopsis: Contracts have been awarded for the projects enumerated below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

December 11, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS (contd)**

**CENTRAL CAMPUS ENERGY CONTROL CENTER - PHASE IV (contd)**

Description: Continuation of the energy conservation programs for The Ohio State University. This project includes additional project work in various buildings which will expand the capability of the system and will be within design parameters for energy savings and communications originally established.

**Temperature Control Contract**

Date Received: April 16, 1975\*

Bids: Alternate, unit price bids, and pricing procedures established when bids were received on Phase I, II and III of this project by the Department of Administrative Services, Division of Public Works.\*

Estimate of Cost: \$107,530\* \*\*

Total Project Cost: \$107,530\* \*\*

Awarded to: Johnson Controls, Inc., Columbus, Ohio\*

Total Contingency Allowance: Not Applicable

Funding: Budget Account 210134 (Contract Repair 1980-81) supplemental one-time funds.

\*Change orders will be processed by the Division of Public Works to include alternate bids, and unit price items applicable to the expansion of the scope of work on the Central Campus Energy Control Center.

\*\*This amount is a part of the total supplemental one-time funds \$258,000 to be used for Energy Conservation projects.

**MATHEMATICS BUILDING, EXTERIOR MASONRY REPAIRS**

Description: Emergency repairs to the south face of the building. The brick bond in this area has failed, requiring removal of a portion of the brick and complete restoration.

**General Contract**

Date Received: November 7, 1980

No. of Bids: 5

Low Bid: \$16,878.00\*

\*The General Contract is recommended for award to the second lowest bidder. The bid submitted by the low bidder was withdrawn due to error in bidding.

December 11, 1980 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS (contd)**

**MATHEMATICS BUILDING, EXTERIOR MASONRY REPAIRS (contd)**

General Contract (contd)

High Bid:	\$23,650.00
Estimate of Cost:	\$30,000.00
Awarded to:	General Maintenance & Engineering Company, Columbus, Ohio
Total Contract:	\$16,878.00
Funding:	Budget Account 885143

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds for the projects listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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Mr. Devenow:

Mr. President, before you get into reports, we have an unusual instance here where Timothy Light of the East Asian Languages Department would like to make a presentation to the Board. Dr. Light, would you please come forward?

Dr. Light:

Thank you very much, Mr. Chairman. I am here on behalf of the East Asian Students Association which is composed of students who are taking Chinese and Japanese at our University. They have come here with two of their representatives, Kathy and John, and two of our dynamic professors, Mr. Galal Walker and Mr. Shigeru Miyagawa. They have presents for you in the form of OSU T-shirts in Chinese and Japanese. That is our Christmas present to you.

Mr. Devenow: Thank you very much.

Dr. Light:

They're identified according to size; Mr. Scott kindly gave us an estimate of your sizes so they're being handed out that way.



December 11, 1980 meeting, Board of Trustees

President Enarson: I hope they're accurate.

Mr. Havens: Are we allowed to open these right now?

Dr. Light:

The letter that goes with it will identify which language is on your shirt--some are Chinese and some are Japanese.

Mr. Devenow:

Thank you very much. I am sure on behalf of the Board we are delighted and in that we're not going to the Rose Bowl, we'll try to confuse the issues down at the Fiesta Bowl with this. Thank you very, very much.

President Enarson:

That's our new dynamic chairman--I didn't know he was that dynamic, though.

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**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)  
TITLE III PROGRAM, CYCLE I**

The following is to report actions taken by the Ohio Board of Regents and the Department of Administrative Services, Division of Public Works to contract with consultants for projects included in the Title III Program.

The Ohio State University through the Energy Management Division has participated in the National Energy Conservation Policy Act (NECPA) Title III Program, which is a federally funded grant program to aid in energy conservation projects for schools and hospitals and for buildings owned by units of local government. Under this program the federal government provides matching funds to State government agencies for implementation of such projects. The State of Ohio, working in conjunction with the Ohio Board of Regents provides the matching funding required by federal government for such Ohio State University participation. The energy conservation projects funded under this program consist of two (2) basic forms.

1. *Technical Assistance Program (TAP)*, which provides the financial assistance in obtaining a detailed engineering analysis to identify estimated cost of, and the energy and cost savings likely to be realized from acquiring and installing Energy Conservation Measures.
2. *Energy Conservation Measures (ECM)*, which provides for the design, acquisition and installation of Energy Conservation Measures, to reduce energy consumption.

A Technical Assistance Program (TAP) is a prerequisite for application of an Energy Conservation Measure (ECM).

December 11, 1980 meeting, Board of Trustees

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)  
TITLE III PROGRAM, CYCLE I (contd)**

The Ohio State University has received federal grants and State of Ohio (Board of Regents) supplemental grants for the following projects, under Cycle I of the National Energy Conservation Policy Act - Title III Program:

**NATIONAL ENERGY CONSERVATION POLICY ACT TITLE III PROGRAM  
Technical Assistance Project - TAP-1**

University Hospital Clinics

Engineer: In-House - Energy Management Division  
of Ohio State University

Federal Funds - \$10,232  
Ohio Board of Regents - 10,232

Total Funds \$ 20,464

**NATIONAL ENERGY CONSERVATION POLICY ACT TITLE III PROGRAM  
Technical Assistance Project - TAP-2**

University Hospital, Aero-Astro Research Laboratory,  
Morrill Hall - Marion Campus

Engineer: Kramer, Comer, Passe and Partners

Federal Funds - \$25,172  
Ohio Board of Regents - 25,172

Total Funds \$ 50,344

**NATIONAL ENERGY CONSERVATION POLICY ACT TITLE III PROGRAM  
Energy Conservation Measures - ECM-1**

Campbell Hall, Galvin Hall - Lima Campus,  
Hopkins Hall, Hughes Hall and Sisson Hall

Engineer: Larsen Engineering, Inc. (\$16,540)

Federal Funds - \$66,952  
Ohio Board of Regents - 66,952

Total Funds \$133,904

December 11, 1980 meeting, Board of Trustees

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)  
TITLE III PROGRAM, CYCLE I (contd)**

**NATIONAL ENERGY CONSERVATION POLICY ACT TITLE III PROGRAM  
Energy Conservation Measures - ECM-2**

Smith Laboratory

Engineer: Jeffrey A. Jones & Associates (\$17,440)

Federal Funds - \$81,972

Ohio Board of Regents - 81,972

Total Funds \$163,584

The above projects are presently in design. All actions relating to the Award of Contracts will be reported to the Board of Trustees at a later meeting.

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**REPORT - AUDITOR OF STATE FOR THE OHIO STATE UNIVERSITY FOR  
THE PERIOD JULY 1, 1976 THROUGH JUNE 30, 1978**

Resolution No. 81-66

*Synopsis: Report of State Auditor for The Ohio State University for period July 1, 1976 through June 30, 1978, is recommended for acceptance.*

WHEREAS the Auditor of State is charged with the statutory responsibility for auditing accounts for all departments of the State, including State-assisted universities; and

WHEREAS the report of the Auditor of State for The Ohio State University for the period July 1, 1976 through June 30, 1978, has been received and reviewed by the appropriate officers of the University; and

WHEREAS the accounts, records, files and reports of The Ohio State University were found to be in order but certain recommendations were included in the report; and

WHEREAS the recommendations have been studied by the appropriate administrative officers and procedures have been developed in response to the changes recommended:

NOW THEREFORE

BE IT RESOLVED, That this report of the Auditor of State be received and filed with the official documents of the University.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

--o--

December 11, 1980 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-67

RESOLVED, That the report on the University's Investment Portfolio, dated November 21, 1980, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

--o--

**PRESIDENT ENARSON'S LETTER ANNOUNCING HIS RESIGNATION**

December 11, 1980

C  
O  
P  
Y

Mr. Chester Devenow, President,  
Chairman and Chief Executive Officer  
Sheller-Globe Corporation  
1505 Jefferson Avenue  
Toledo, Ohio 43624

Dear Mr. Devenow:

I wish to resign as president of The Ohio State University effective the close of business, August 31, 1981.

I inform you and your colleagues on the Board now so that the Board will have time to conduct the search for my successor.

On August 31, 1981, I will have completed nine full years as president of The Ohio State University immediately following over six years as president of The Cleveland State University. It now seems best for me, my family, and the University to step aside.

This decision has been discussed with you. I understand that you will recommend that my resignation effective that date will be accepted.

I want you to know that these have been busy and satisfying years for me and Mrs. Enarson. It is not easy to step down for I enjoy immensely my association with my colleagues, with faculty and staff, with students, with legislators, with alumni and with all the many persons who care about the University and strive to make it better.

I take great pride in being a part of the adventure of building a better University-- a task that is never ended. This University means a great deal to the Enarsons. It will always be a part of our life and it will always have our support and best wishes.

Sincerely yours,

Harold L. Enarson  
President

HLE/mr

--o--

December 11, 1980 meeting, Board of Trustees

**CHAIRMAN DEVENOW'S LETTER OF ACCEPTANCE  
OF RESIGNATION OF PRESIDENT ENARSON**

December 11, 1980

C  
O  
P  
Y

Harold L. Enarson, President  
THE OHIO STATE UNIVERSITY  
205 Administration  
190 North Oval Mall  
Columbus, Ohio 43210

Dear Harold:

I have your letter stating your wish to resign as President of The Ohio State University effective August 31, 1981. You have served long and well in a difficult job with heavy responsibility. I can understand your wish to step aside. I will recommend to the Board of Trustees that your resignation be accepted.

All members of the Board are aware of the demands put upon you and Mrs. Enarson by the duties of your office. We have watched with appreciation your efforts to strengthen and improve the quality of education and research at Ohio State and to give it sound, efficient and responsive administration. We admire your courage, dedication and strong sense of excellence and recognize how much these qualities have contributed to our University.

Because of your splendid service to the University, the Trustees will want to make your transition from office as favorable as possible. I have proposed that you be appointed President Emeritus effective September 1, 1981, with the usual rights, privileges, and emoluments of that office. Because we will want and need your advice and consultation in the initial term of a new president, I have also asked the Trustees to arrange for continuing your compensation through June 30, 1982.

I am mindful that you live in a University residence at the Trustees' direction and that you will have to relocate. The University will assist you in moving your personal belongings from the Crowell Street residence, Overlook Farm and the President's Office to your new location.

Hoping that your association with The Ohio State University will continue, you may expect the Trustees to renew your Notice of Appointment as a tenured Professor of Public Administration for the academic year 1981-82 although I understand you will not undertake any teaching during that period.

All of these steps are intended to let you know how much your work is appreciated and that we understand the burdens you have carried on behalf of the University.

I know all members of the Board join me in giving warm thanks to you and Mrs. Enarson. You have our heartiest appreciation and best wishes. We look forward to working with you on the challenging problems confronting the University throughout the rest of your term.

Sincerely yours,

Chester Devenow  
Chairman

-o-

December 11, 1980 meeting, Board of Trustees

**ACCEPTANCE OF RESIGNATION OF HAROLD L. ENARSON  
AND CONFERRING EMERITUS TITLE**

Resolution No. 81-68

WHEREAS Dr. Harold L. Enarson, on this date, has submitted his resignation of the Office of President of The Ohio State University to the Board of Trustees to be effective August 31, 1981; and

WHEREAS Dr. Enarson has given long, continuous, distinguished, and meritorious service in the extremely difficult and demanding position as President of The Ohio State University; and

WHEREAS the Board of Trustees in deep appreciation of all the efforts Dr. Enarson has made to strengthen and improve the quality of education and research at The Ohio State University and in recognition of the University's continuing desire for Dr. Enarson's advice and consultation:

NOW THEREFORE BE IT RESOLVED,

THAT the Board of Trustees accepts the resignation of Dr. Harold L. Enarson as President of The Ohio State University effective August 31, 1981; and

THAT in recognition of the courageous and dedicated service Dr. Enarson has given to The Ohio State University as chief executive officer, the Board of Trustees appoints him President Emeritus effective September 1, 1981, with all the rights, benefits and emoluments appurtenant thereto; and

THAT in recognition of the need for Dr. Enarson's advice and consultation during the initial term of the new president, Dr. Enarson continue to be paid at his current salary through the end of 1981, and that he be paid \$32,500 for the period January 1, 1982 through June 30, 1982, subject to sufficient and continuing legislative appropriations where necessary; and

THAT Dr. Enarson, at his choice, be allowed to remain and to retain his residence at the Overlook Farm until June 30, 1982, and that at such time as it is necessary to relocate, the University shall assist Dr. Enarson in moving his personal belongings from the Croswell Street residence, Overlook Farm and the President's office to some new location; and

THAT Dr. Enarson's Notice of Appointment as Professor of Public Administration be renewed for the academic year 1981-82.

Upon motion of Mr. Smith, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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December 11, 1980 meeting, Board of Trustees

**SEARCH COMMITTEE**

Resolution No. 81-69

WHEREAS the Board of Trustees of The Ohio State University has this date accepted the resignation of Dr. Harold L. Enarson as President of The Ohio State University effective August 31, 1981; and

WHEREAS it is the responsibility of the Board of Trustees to insure the continuing good management of the University by selecting its president:

NOW THEREFORE BE IT RESOLVED,

THAT the Chairman of the Board of Trustees shall appoint a Search Committee with the following membership:

- Four trustees, one of whom to serve as Chairman;
- A member of the University faculty;
- A student of the University;
- A Dean from one of the University Colleges;
- An alumnus of the University.

This Committee is charged with representing the interests of the University in planning and directing all aspects of a comprehensive and expeditious search for a new president, including but not limited to:

- 1) Retaining external professional assistance as required;
- 2) Developing a position description;
- 3) Developing a list of candidates;
- 4) Reviewing the qualifications of candidates; and
- 5) Recommending one or more candidates to the Board of Trustees at or before its regular meeting in June, 1981; and

BE IT FURTHER RESOLVED,

THAT in establishing the criteria for this position, the Search Committee shall consult with the Steering Committee of the University Senate, the officers of the Undergraduate Student Government, the officers of The Ohio State University Alumni Association, representatives of The Ohio State University Hospitals Board, and, as appropriate, with representatives of other university-wide organizations, employees, and constituencies, the Search Committee shall look to the office of the Secretary to the Board of Trustees for internal assistance and coordination as required during the search, and shall serve until discharged by the Board of Trustees or upon the appointment of a president.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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December 11, 1980 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, February 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman



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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 6, 1981

The Board of Trustees met at its regular monthly meeting on Friday, February 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

February 6, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related matters.

Present: Chester Devenow, Chairman, Patricia D. James, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### RESOLUTIONS IN MEMORIAM

Resolution No. 81-70

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mrs. James, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Bernard F. Mooney

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 26, 1980, of Bernard F. Mooney, Professor Emeritus in the College of Education.

Professor Mooney received his M.Ed. degree from Springfield College in 1928.

Professor Mooney became a member of the faculty in the Division of Physical Education in 1923 while he also served as varsity wrestling coach for the Athletic Department. He retained this joint appointment until his retirement in 1964.

For many years, Professor Mooney was the coordinator of the Basic Required Physical Education Program for freshmen students. He taught activity skills and teacher education courses and supervised student teachers. He is the author of two books, *Boxing for Beginners* and *Wrestling for Beginners*.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

February 6, 1981 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Christine Rayer Nichols

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 7, 1980, of Christine Rayer Nichols, Professor Emeritus in the College of Social Work.

Professor Nichols received her Bachelor of Arts degree in 1926 from Wittenberg College and her Master of Science in Social Administration degree in 1938 from Case Western Reserve University.

Professor Nichols joined the faculty of the School of Social Work of The Ohio State University in October 1954 as an Assistant Professor. She was promoted to the rank of Associate Professor in October 1957. Professor Nichols' teaching responsibilities were centered in the area of Social Group Work. From October 1964 until her retirement in January 1970, she served as Assistant Director of the School of Social Work.

Professor Nichols served as Assistant Professor at the University of Denver School of Social Work from 1942 to 1943 and as Associate Professor at Case Western Reserve School of Applied Social Science from 1944 to 1954.

Professor Nichols' career included teaching and social work. She taught high school in Logan County from 1926 to 1936 and in Galion from 1943 to 1945. She was a social worker in North East Neighborhood House, Minneapolis, Minnesota, from 1938 to 1940. From 1940 to 1942, she was the Executive Director of Lincoln Park Community Center, Denver, Colorado.

Professor Nichols made extensive and significant contributions to professional and community groups. She was a member of the American Association of Group Workers, the American Association of Schools of Social Work, and the Council on Social Work Education. She was active with the Council of Social Agencies and the Volunteer Bureau in Denver and the YWCA in Cleveland. She was a member of the Board of Directors of the Columbus Federation of Settlements and the Board of Directors of Wittenberg University.

Professor Nichols' many contributions to the University and to society were characterized by her commitment to high standards of education and social work practice.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Wilbur E. Stuckey

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 12, 1981, of Wilbur E. Stuckey, Professor Emeritus in the Cooperative Extension Service.

February 6, 1981 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Wilbur E. Stuckey (contd)

Mr. Stuckey was born February 8, 1911, in Seneca County. He graduated from Bloomville High School in 1929 and from The Ohio State University with Bachelor of Science in Agriculture and Master of Science degrees in 1933 and 1944 respectively. He began his career with The Ohio State University in 1941 as a Teacher-Trainer in the Department of Agricultural Education. In 1944 he transferred to the Department of Agricultural Engineering as Farm Safety Specialist where he continued to serve OSU until 1952.

In 1955, Mr. Stuckey returned to The Ohio State University as Specialist and later as Assistant to the Director and finally Leader, Safety for the Ohio Cooperative Extension Service. His service to The Ohio State University included membership on several University committees including the Faculty Council, the Faculty Advisory Committee to the Board of Trustees and the President and the Rules Committee. He retired March 31, 1976.

Throughout his career he was a dedicated and highly respected educator. His efforts in safety brought distinction to him and the University. He was recognized throughout the country as an expert in safety programs. Among his contributions was the design of the slow-moving vehicle emblem which is used nationwide.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Stuckey its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to Mrs. Stuckey as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

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### SEARCH COMMITTEE

Resolution No. 81-71

*Synopsis: Change in membership of Search Committee.*

WHEREAS the Board of Trustees at the meeting held December 11, 1980, adopted Resolution No. 81-69 specifying membership on the Search Committee on Selection of a President of The Ohio State University; and

WHEREAS the Board of Trustees of The Ohio State University authorized the Chairman of the Board to appoint a Search Committee on Selection of a President of The Ohio State University; and

WHEREAS after consultation with members of the Board of Trustees, members of the faculty, and other constituent groups, it was the consensus view that the membership composition of the Search Committee should be enlarged:

February 6, 1981 meeting, Board of Trustees

**SEARCH COMMITTEE (contd)**

NOW THEREFORE

BE IT RESOLVED, That the Search Committee on Selection of a President of The Ohio State University shall comprise the following membership:

*Trustees*

Four members of the Board of Trustees

*Faculty*

Five members of the University faculty to be nominated by the Steering Committee of the University Senate

*Students*

President of the Graduate/Professional Council  
President of the Council of Graduate Students  
President of the Undergraduate Student Government  
(Appointment of student members refers to those individuals serving in office during the 1980-81 academic year)

*Dean*

A dean to be selected from one of the seventeen colleges

*Alumnus*

The President of The Ohio State University Alumni Association who will be serving during the 1981-82 academic year

*Non-Teaching Employee*

An individual who is knowledgeable about the University and who is recognized by his/her associates for competency, ability and overall interest in the University

and

BE IT FURTHER RESOLVED, That the action in changing the membership of said Committee be ratified.

Upon motion of Mr. Galbreath, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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February 6, 1981 meeting, Board of Trustees

**SEARCH COMMITTEE APPOINTEES**

Resolution No. 81-72

*Synopsis: Appointments to Search Committee are recommended.*

WHEREAS in accordance with the provisions of Section 3335.09 of the Revised Code, the Board of Trustees of The Ohio State University shall elect [and] fix the compensation of the President. . .; and

WHEREAS President Harold L. Enarson has indicated his intention to resign as President of The Ohio State University on August 31, 1981; and

WHEREAS Dr. Enarson's resignation was accepted at the meeting held on December 11, 1980; and

WHEREAS the Board of Trustees authorized the Chairman of the Board to appoint a Search Committee to assist in the process of selecting a successor to President Enarson:

NOW THEREFORE

BE IT RESOLVED, That the designation of the following individuals for membership on the Search Committee be ratified:

- |                              |                              |                        |
|------------------------------|------------------------------|------------------------|
|                              | <i>Trustees</i>              |                        |
| Mr. John F. Havens, Chairman |                              | Mr. Leonard J. Immke   |
| Mr. D. James Hilliker        |                              | Dr. John D. Jacob      |
|                              | <i>Faculty</i>               |                        |
| Dr. John B. Gabel            |                              | Dr. William B. Shook   |
| Dr. Joan R. Leitzel          |                              | Dr. Thomas G. Skillman |
| Dr. William M. Protheroe     |                              |                        |
|                              | <i>Students</i>              |                        |
| Dr. Judith K. Gwathmey       |                              | Mr. Scott Line         |
| Mr. Paul LaRue               |                              |                        |
|                              | <i>Dean</i>                  |                        |
| Dr. Diether Haenicke         |                              |                        |
|                              | <i>Alumnus</i>               |                        |
| Mr. D. Wayne Ashby, Jr.      |                              |                        |
|                              | <i>Non-Teaching Employee</i> |                        |
| Mrs. Janice D. Walker        |                              |                        |

Upon motion of Mr. Galbreath, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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February 6, 1981 meeting, Board of Trustees

**HONORARY DEGREES**

Resolution No. 81-73

*Synopsis: Approval is requested for awarding honorary degrees.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Richard J. Anderle  
Eileen Heckart

Doctor of Science  
Doctor of Humane Letters

NOW THEREFORE

BE IT RESOLVED, That the above honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipients.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**BUDGET SUMMARY (SECOND QUARTER 1980-81)**

Resolution No. 81-74

*Synopsis: The second quarter budget summary, 1980-81, is presented for review and acceptance.*

This budget summary for the second quarter 1980-81 contains revised estimates of resource and expenditure/commitment projections as actual data have become available. Included are the effects on Columbus Campus unrestricted funds of actual Autumn Quarter enrollments and the state budget cuts through the third cut announced in December. This cut resulted in a reduction of unrestricted resources of \$1.45 million with the cut to all funds totaling \$1.8 million. Revisions to restricted funds net to a \$500,000 decrease from the first quarter report representing redistributions and reclassifications of grant and contract activity along with state budget cuts. Revisions to earnings operations income and expense reflect adjustments based on activity to date.

WHEREAS the second quarter report of the 1980-81 current funds budget covering the period October through December, 1980 is presented for review by the Board of Trustees and its income and expense estimates deviate by less than one-half of 1 per cent from the 1980-81 budget approved by the Board in November, 1980; and

WHEREAS the projected expenditures and commitments of the second quarter report for 1980-81 are supported by adequate income:

February 6, 1981 meeting, Board of Trustees

**BUDGET SUMMARY (SECOND QUARTER 1980-81) (contd)**

NOW THEREFORE

BE IT RESOLVED, That the accompanying second quarter budget report be accepted.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS)**

	Revised Budget November 7, 1980	Proposed Revised Budget
Columbus Campus		
Instruction and General		
Departmental Instruction and Research	\$174,267	\$173,542
Libraries	10,984	10,808
Other Academic Support	3,849	3,748
Sponsored Programs Administration	6,307	6,297
Student Services	9,877	9,879
Plant Operation	28,360	28,409
Institutional Support	19,780	19,658
Total Instruction and General	\$253,424	\$252,341
Sponsored Research		
Federally Sponsored Programs	\$ 36,730	\$ 37,005
Other Externally Sponsored Programs	10,481	10,364
Internally Sponsored Programs	511	505
Total Sponsored Research	\$ 47,722	\$ 47,874
Public Service		
University Hospitals	\$100,182	\$ 99,661
Cooperative Extension Service	22,144	22,122
Externally Sponsored Programs	16,162	15,990
Internally Sponsored Programs	5,572	5,370
Total Public Service	\$144,060	\$143,143
Student Aid	\$ 7,019	\$ 7,341

February 6, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS) (contd)

	Revised Budget November 7, 1980	Proposed Revised Budget
<b>Columbus Campus (contd)</b>		
<b>Auxiliaries</b>		
Student Housing	\$ 24,761	\$ 24,764
Intercollegiate Athletics	10,326	10,451
University Bookstores	6,119	6,519
Student Health Service	2,925	2,901
Student Unions	2,885	2,885
Parking Facilities	3,247	3,247
University Airport	2,917	2,917
Fawcett Center for Tomorrow	1,767	1,767
Other	751	751
<b>Total Auxiliaries</b>	<b>\$ 55,698</b>	<b>\$ 56,202</b>
<b>TOTAL COLUMBUS CAMPUS</b>	<b>\$507,923</b>	<b>\$506,901</b>
<b>Regional Campuses</b>		
Administration	\$ 197	\$ 198
Lima Campus	2,710	2,684
Mansfield Campus	2,730	2,684
Marion Campus	1,564	1,571
Newark Campus	2,252	2,272
Agricultural Technical Institute	2,950	2,896
Wright-Patterson Graduate Center	100	100
<b>TOTAL REGIONAL CAMPUSES</b>	<b>\$ 12,503</b>	<b>\$ 12,405</b>
<b>GRAND TOTAL</b>	<b>\$520,426</b>	<b>\$519,306</b>

February 6, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
SOURCES OF INCOME TO SUPPORT 1980-81 BUDGET  
(IN THOUSANDS)

	Revised Estimate November 7, 1980	Proposed Revised Estimate
<b>Columbus Campus</b>		
<b>Government Appropriations</b>		
State of Ohio	\$169,489	\$163,039
Federal	68,386	68,683
Other	8,362	8,306
Subtotal	\$246,237	\$240,028
<b>Student Fees</b>		
Instruction and General	\$ 68,760	\$ 71,241
Room and Board	20,050	20,050
Other	3,997	3,680
Subtotal	\$ 92,807	\$ 94,971
<b>Other Income</b>		
Auxiliary Sales and Charges	\$122,119	\$122,551
Department and University Services	15,074	15,124
Endowment Income	4,782	4,782
Gifts and Grants	20,153	20,393
Temporary Investments	7,500	9,000
Subtotal	\$169,628	\$171,850
<b>TOTAL COLUMBUS CAMPUS</b>	<b>\$508,672</b>	<b>\$506,849</b>
<b>Regional Campuses</b>		
Lima Campus	\$ 3,038	\$ 3,029
Mansfield Campus	3,134	3,047
Marion Campus	1,829	1,801
Newark Campus	2,666	2,687
Agricultural Technical Institute	3,234	3,209
Wright-Patterson Graduate Center	100	100
TOTAL REGIONAL CAMPUSES	\$ 14,001	\$ 13,873
<b>GRAND TOTAL</b>	<b>\$522,673</b>	<b>\$520,722</b>

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February 6, 1981 meeting, Board of Trustees

President Enarson:

With respect to the next item which is a matter of expanding slightly as an employee education/self-improvement program, they simply modified the terms of eligibility in some relatively small, but we think significant, fashion. I'm wondering, Madison, if you would care to speak to this because you have been intimately involved in the shaping of this particular revision.

Mr. Scott:

Mr. President, Mr. Chairman, and Members of the Board, you may recall April 1--a year ago--the Board of Trustees passed a resolution which, in effect, limited the number of course hours that persons who were regular employees could take as students of the University. I believe it was limited to eight for undergraduate work and six for graduate work. The policy, you may be aware, was challenged in several places by several groups of persons. One was the Personnel Board of Review and subsequently, in the courts. The courts affirmed the Board of Trustees' authority as well as the Personnel Board of Review to specify conditions of employment for persons who were employed as regular employees. The policy was also challenged as a part of a collective bargaining agreement that we have with the Ohio Nurses Association. As a part of that agreement, as you may know, there is what is called a binding arbitration feature of anything that goes through the grievance process. In the binding arbitration part of this grievance, the arbitrator, in keeping with the agreement, concluded that the University had, indeed, not complied with the contractual terms of that agreement. In response both to the court opinion as well as to the arbitrated determination, it has been suggested by a number of persons that we should modify the policy slightly to raise the number of hours that a full-time employee might take and not be penalized for taking course work at the University and the limits now would be ten hours in any one academic quarter, and more specifically, if there were special requirements that an individual would have to take that would be required for graduation, the University would be in position to make an exception to that.

#### **EMPLOYEE EDUCATION/SELF-IMPROVEMENT**

Resolution No. 81-75

*Synopsis: Employee Education/Self-Improvement Program is being proposed.*

WHEREAS the University encourages regular non-teaching staff members to further their education and self-improvement; and

WHEREAS "regular" employment is defined as employment which is continuous in nature with the University and carries with it the term "regular appointment" and customarily requires the services of an individual on a regularly scheduled and continuing basis; and

WHEREAS opportunities are provided to eligible regular non-teaching staff to enroll in coursework at the University and be reimbursed instructional and general fees and non-residence fees, for up to seven credit hours of coursework per academic quarter as set forth in § 10 of the University Operating Manual; and

February 6, 1981 meeting, Board of Trustees

**EMPLOYEE EDUCATION/SELF-IMPROVEMENT (contd)**

WHEREAS it has been determined that in order to ensure reasonable and uniform application of this policy, the privilege extended to regular non-teaching staff to enroll as students of the University should be limited and subject to a definitive policy statement:

NOW THEREFORE

BE IT RESOLVED, That effective Spring Quarter, 1981 regular non-teaching staff may enroll as students in degree-granting or other credit programs of the University for not more than ten credit hours of coursework per academic quarter; and

BE IT FURTHER RESOLVED, That exception to the ten-hour maximum limit of this policy may be made only upon recommendation of the appropriate administrative official and concurrence of the Office of Personnel Services and only if the applicant seeking the exception demonstrates that it is necessary to permit the applicant to take a course required for graduation which is not otherwise available to the applicant; and

BE IT FURTHER RESOLVED, That this policy supersedes Board of Trustees' Resolution No. 80-46, dated November 30, 1979.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-76

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointment, Reappointment of Chairmen of Departments and Director of School, Medical Staff Appointments, Leaves of Absence Without Salary, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the December 11, 1980 meeting of the Board, including the following Appointment, Reappointment of Chairmen of Departments and Director of School, Medical Staff Appointments, Leaves of Absence Without Salary, and Emeritus Titles as detailed in the University Budget for 1980-81, be approved.

Appointment

Name:	OSCAR FISCH
Title:	Professor and Chairman
Department:	City and Regional Planning
Salary:	\$48,000.00 (12-month)
Effective:	February 1, 1981
Present Position:	Professor, Department of City and Regional Planning

February 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Reappointment of Chairmen of Departments and Director of School

July 1, 1981 through June 30, 1985

Microbiology	Robert M. Pfister
Music	David L. Meeker

October 1, 1981 through September 30, 1985

German	David Benseler
Linguistics	David Dowty

Medical Staff Appointments

Effective December 3, 1980

Name	Appointment	Clinical Division
Gregory I. Brooks, D.O.	Courtesy Staff	Pediatrics
John D. Martino, M.D.	Courtesy Staff	Anesthesiology

Leaves of Absence Without Salary

J. DENNIS NOLAN, Professor, Department of Psychology, effective October 1, 1981 through December 31, 1981, to perform research at Fairview Hospital.

JERROLD RICHARD VOSS, Professor, Department of City and Regional Planning, effective January 1, 1981 through June 30, 1981, to continue in his post as Deputy Director of Research and Development for the United Nations Center for Human Settlements.

MCHENRY BOATWRIGHT, Associate Professor, School of Music, effective January 1, 1981 through September 30, 1981, to continue his work on the Duke Ellington Sacred Mass at St. John's Cathedral the Divine in New York.

Emeritus Titles

JACK CALVERT, Department of Chemistry, with the title Professor Emeritus, effective February 1, 1981.

FRANK W. CHORPENNING, Department of Microbiology, with the title Professor Emeritus, effective February 1, 1981.

SAMUEL CORSON, Department of Psychiatry, with the title Professor Emeritus, effective February 1, 1981.

FRED E. KINDIG, Academic Faculty of Accounting, with the title Professor Emeritus, effective January 1, 1981.

February 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

WILLIAM H. PEAKE, Department of Electrical Engineering, with the title Professor Emeritus, effective January 1, 1981.

JOHN A. PRIOR, Department of Medicine, with the title Professor Emeritus, effective July 1, 1981.

D. ALEXANDER SEVERINO, Academic Faculty of Educational Foundations and Research, with the title Professor Emeritus, effective February 1, 1981.

MERLE E. SCHEETZ, Cooperative Extension Service, with the title Associate Professor Emeritus, effective January 1, 1981.

CLYDE D. GUMP, College of Dentistry (Prosthodontics), with the title Assistant Professor Emeritus, effective January 1, 1981.

VIRGINIA E. SMILEY, University Libraries, with the title Assistant Professor Emeritus, effective January 1, 1981.

Upon motion of Mr. Smith, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-77

*Synopsis: The reports on contracts, grants, and gifts and the summaries for November and December are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station and The Ohio State University Development Fund during the months of November and December, 1980, be approved.

Upon motion of Mr. Galbreath, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.



February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR NOVEMBER 1980**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	48	\$3,017,763.00
Engineering Experiment Station	16	114,302.00
		\$3,132,065.00
The Ohio State University Development Fund		
Establishment of Named Funds		
The C. Victor Kendall Loan Fund (College of Agriculture and Home Economics)		\$ 64,429.00
Carl L. and Elizabeth Broughton Scholarship in Agriculture Fund (College of Agriculture and Home Economics)		\$ 50,000.00
The John B. Nordholt Professorship in Mechanical Engineering or Metallurgical Engineering Fund (Department of Mechanical or Metallurgical Engineering)		\$ 39,463.58
The Ernest Robert Keppel Foundation Fund (Undergraduate scholarships)		\$ 34,446.92
The Evan J. Crane Memorial Scholarship Fund (Undergraduate Scholarships - College of Agriculture and Home Economics)		\$ 14,515.00
The Ruth L. Higgins Memorial Scholarship Fund (Graduate student scholarships - Department of History)		\$ 11,996.47

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR NOVEMBER 1980 (contd)**

**Report from Presidents Club**

Members to date	4,432
1980: year to date	1,053
New members - November 1980	7

**New Presidents Club Members - November 1980**

Cynthia J. Cochran (Mrs. Jamme J.)	Bruce W. Trager
Robert S. Donoho, Jr.	Edith Walter (Mrs. William A.)
William C. Kraner	Robert L. Wigor
Philip Parsons	

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR DECEMBER 1980**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	72	\$4,275,472.30
Engineering Experiment Station	30	11,772.00
		\$4,287,244.30
The Ohio State University Development Fund		
Establishment of Named Funds		
William H. Davis Scholarship Fund for Basic Medical Research (Departments of Surgery and Medicine)		\$ 184,546.25
The James Hay and Ruth Jansson Wilson Professorship in Cardiology Fund (Proposed professorship in cardiology)		\$ 55,175.00
The Frank J. Tate Scholarship in Journalism (School of Journalism)		\$ 7,500.00
The Gerald B. Rice Memorial Fund (Gerald B. Rice Theatre Prize - Mansfield Campus)		\$ 6,000.00
The D. Lois Gilmore Memorial Award (Department of Textiles and Clothing)		\$ 5,000.00
The Robert E. Schaefer Scholarship Fund (School of Journalism)		\$ 5,000.00
Shirley A. Brooks Scholarship in Agriculture (Undergraduates in College of Agriculture and Home Economics)		\$ 3,500.00
The Judge William M. Drennen Award Fund (College of Law)		\$ 3,095.00

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR DECEMBER 1980 (contd)**

**Report from Presidents Club**

Members to date	4,443
1980: year to date	1,064
New members - December 1980	11

**New Presidents Club Members - December 1980**

Priscilla D. Banning (Mrs. George W.)	Bette F. Lagos (Mrs. John H.)
Dale E. Crossen	Daniel R. McGahagan
C. William Frysinger	Barbara C. Nordholt (Mrs. James S.)
Maureen S. Frysinger (Mrs. C. William)	Gilbert H. Reese
Marilyn J. Huheey	Richard G. Reichel
	Carl W. Thomas

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SECOND QUARTER SUMMARY**

October 1, 1980 through December 31, 1980

**OFFICE OF BUSINESS AND ADMINISTRATION**

Source	No. of Projects	Support Level
FEDERAL	2	\$ 42,000.00
OTHER NON-FEDERAL	1	694,860.00
GRAND TOTAL	3	\$736,860.00

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SECOND QUARTER SUMMARY**

October 1, 1980 through December 31, 1980

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	8	\$ 277,828.00
National Science Foundation	17	1,101,800.00
Department of Defense	39	2,457,942.00
Department of Energy	1	60,500.00
Department of Education	4	697,768.00
Department of Health and Human Services	34	5,009,743.00
Other Federal	17	1,380,004.00
TOTAL - FEDERAL	120	\$10,985,585.00
STATE OF OHIO	16	\$ 1,158,695.00
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	62	\$ 1,311,008.90
GRAND TOTAL	198	\$13,455,288.90

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SECOND QUARTER SUMMARY**

October 1, 1980 through December 31, 1980

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
FEDERAL	2	\$ 14,158.00
STATE OF OHIO	1	41,056.00
INDUSTRIAL AND OTHER	98	505,689.00
GRAND TOTAL	101	\$560,903.00

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$600,000.00 - Department of Health and Human Services, Social Security Administration, Division of Contracts and Grants Management, Baltimore, Maryland, A Study to Determine Extent of Impairment and Potential Social Security Disability Eligibles, Mershon Center for Education in National Security (S. Z. Nagi), 29 September 1980 through 28 September 1982. (Project 762426 - Continuation)

\$180,000.00 - Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Jam Resistant Communications Systems Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski and W. D. Burnside), 1 October 1980 through 30 September 1981. (Project 761461 - Continuation)

\$116,573.00 - Environmental Protection Agency, Washington, D. C., Disinfection of Giardia Lamblia Cysts with Chlorine, Chlorine Dioxide and Ozone, Department of Civil Engineering (O. J. Sproul and A. J. Rubin) and Department of Medicine (J. J. Fromkes), 27 October 1980 through 26 October 1982. (Project 762487 - New)

\$110,000.00 - Department of the Interior, Office of Water Research and Technology, Washington, D. C., Water Resources Center Annual Cooperative Program, Engineering Experiment Station, Water Resources Center (R. C. Stiefel), Department of Zoology (T. M. Cavender and D. A. Culver), Department of Chemical Engineering (L. S. Fan), and Department of Entomology (W. J. Collins), 1 October 1980 through 30 September 1981. (Project 762387 - Continuation)

\$100,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Advanced RCS Reduction, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 October 1980 through 30 September 1981. (Project 762363 - Continuation)

\$98,635.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Silver Spring, Maryland, Phase I/II Clinical Evaluation of Biological Response Modifiers for the Treatment of Cancer, Department of Medicine (J. J. Rinehart and J. A. Neidhart), 30 September 1980 through 31 October 1981. (Project 762482 - New)

\$91,586.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Rites of Adjustment: Therapy at the Workplace, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (D. M. Ronchi), 25 September 1980 through 31 August 1981. (Project 762434 - New)



February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$90,300.00 - National Science Foundation, Washington, D. C., Investigation of Comagmatic Complexes Using Isotope Systematics, Department of Geology and Mineralogy (K. A. Foland), 1 November 1980 through 31 October 1982. (Project 762479 - New)

\$90,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 15 September 1980 through 14 September 1981. (Project 760226 - Continuation)

\$80,000.00 - Department of the Air Force, Electronic Systems Division (AFSC), Hanscom Air Force Base, Massachusetts, RCS Studies of Jet Intakes, Department of Electrical Engineering, ElectroScience Laboratory (P. Pathak), 1 October 1980 through 30 September 1981. (Project 762016 - Continuation)

\$76,377.00 - Department of the Air Force, Electronic Systems Division (AFSC), Hanscom Air Force Base, Massachusetts, The Study of Factors Affecting the Precise Estimation of the Earth's Gravity Field, Department of Geodetic Science (R. H. Rapp), 1 October 1980 through 31 October 1981. (Project 761451 - Continuation)

\$70,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, EO Device Signature Reduction, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon), 1 October 1980 through 31 August 1981. (Project 762341 - Continuation)

\$59,300.00 - National Science Foundation, Washington, D. C., Coriolis-Force Modifications of Three-Dimensional Stratified Flows, Department of Aeronautical and Astronautical Engineering (M. R. Foster), 1 November 1980 through 31 October 1982. (Project 762483 - Continuation)

\$57,287.00 - National Aeronautics and Space Administration, Washington, D. C., Investigation of Infrared Spectra of Atmospheric Gases to Support Stratospheric Spectroscopic Investigations, Department of Physics (J. H. Shaw), 1 November 1980 through 31 October 1981. (Project 761420 - Continuation)

\$55,000.00 - National Science Foundation, Washington, D. C., Molecular Studies of Genetic Regulation in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 December 1980 through 30 November 1981. (Project 762490 - Continuation)

\$51,422.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acanthamoeba Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1980 through 30 November 1981. (Project 762493 - New)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$49,986.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Microstrip Analysis Techniques, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 1 November 1980 through 31 October 1982. (Project 762478 - Continuation)

\$46,473.00 - National Science Foundation, Washington, D. C., Optimal Sociality, Department of Zoology (T. C. Grubb), 1 November 1980 through 31 October 1982. (Project 761505 - Continuation)

\$44,712.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Color and Brightness Channels of the Visual System, Division of Sensory Biophysics (C. R. Ingling, Jr.), 30 September 1980 through 29 September 1981. (Project 761926 - Continuation)

\$43,459.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Environmental and Genetic Effects on Gravity Receptors: A Morphological, Physiological and Behavioral Study, Department of Otolaryngology (D. J. Lim), 1 October 1980 through 30 September 1981. (Project 760657 - Continuation)

\$41,211.00 - Department of the Air Force, Electronic Systems Division, Hanscom Air Force Base, Massachusetts, Extending the Geometrical Theory of Diffraction Using the Moment Method, Department of Electrical Engineering, ElectroScience Laboratory (R. G. Kouyoumjian), 1 October 1980 through 30 September 1981. (Project 761245 - Continuation)

\$40,000.00 - National Science Foundation, Washington, D. C., Molecular Beam Studies of Reactions of Laser-Excited Metal Atoms with Gases Using Spectroscopic Detection of Products, Department of Chemistry (J. M. Parson), 1 March 1981 through 28 February 1982. (Project 762056 - Continuation)

\$36,000.00 - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Bureau of Veterinary Medicine, Rockville, Maryland, A Study to Develop an Experimental Disease Model in Horses, Department of Veterinary Physiology and Pharmacology (T. E. Powers), 22 September 1980 through 28 September 1981. (Project 761916 - Continuation)

\$26,803.00 - Department of the Air Force, Aeronautical Systems Division (AFSC) Wright-Patterson Air Force Base, Ohio, Investigation of the Boundary Layer Behavior on Turbine Airfoils, Department of Mechanical Engineering (L. S. Han), 1 October 1980 through 1 June 1981. (Project 761650 - Continuation)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$20,384.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Ohio State University Law School Clinical Experience Program, College of Law (C. Thompson), 1 January 1981 through 31 December 1981. (Project 762471 - New)

\$9,909.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Program Planning Measurement of Surface Ship Radar Backscatter at HF for Target Identification Studies, Department of Electrical Engineering, Electro-Science Laboratory (A. A. Ksienski and E. K. Walton), 19 September 1980 through 30 November 1980. (Project 762427 - New)

\$7,926.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO<sub>2</sub> Concentration, Department of Physiology (A. L. Kunz), 1 December 1980 through 31 March 1981. (Project 761572 - Continuation)

\$7,670.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Earth Sciences, Institute of Polar Studies (D. H. Elliot, W. J. Zinsmeister, and T. J. DeVries), 1 November 1980 through 31 October 1982. (Project 762492 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$2,301,013.00**

**State of Ohio Research Contracts/Grants**

\$187,499.00 - State of Ohio, Department of Health, Columbus, Ohio, Care of the High Risk Mother and Infant, Department of Pediatrics (L. Cordero), 1 October 1980 through 30 September 1981. (Project 764100 - Continuation)

\$116,849.00 - State of Ohio, Public Utilities Commission, Columbus, Ohio, Telecommunications Technical Assistance, National Regulatory Research Institute (D. N. Jones and C. Mount-Campbell), 15 October 1980 through 14 October 1981. (Project 762466 - Continuation)

\$7,500.00 - State of Ohio, Department of Health, Columbus, Ohio, Anti-Ganglioside Antibody Activity in the Serum of Patients with Lupus Erythematosus, Department of Medicine (R. L. Whisler and C. L. Hitchcock), 1 November 1980 through 30 June 1981. (Project 762481 - New)

\$3,000.00 - State of Ohio, Department of Health, Columbus, Ohio, Assessing and Preventing Deformity in Juvenile Rheumatoid Arthritis, School of Allied Medical Professions (C. Burnett), 1 November 1980 through 30 June 1981. (Project 762475 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 314,848.00**

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$98,061.00 - The Colorado Public Utilities Commission, Denver, Colorado, Technical Assistance with Electric Time-of-Use Pricing, Interruptible Rates, and Load Forecasting, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 29 August 1980 through 31 March 1981. (Project 762394 - New)

\$85,994.00 - Southwest Research Institute, San Antonio, Texas, Electromagnetic Reradiation Theoretical Prediction for Complex Building Structures, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 23 October 1980 through 23 December 1981. (Project 762461 - Continuation)

\$43,614.00 - Cedars-Sinai Medical Center, Los Angeles, California, Cooperative Clinical Trial on the Dissolution of Gallstones by Bile Acid Feeding, Department of Medicine (F. B. Thomas and H. S. Mekhjian), 1 September 1980 through 31 August 1981. (Project 762380 - Continuation)

\$40,838.00 - Muscular Dystrophy Association, New York, New York, Carrier Detection Studies in Duchenne Muscular Dystrophy Families Participating in MDA Drug Protocol, Department of Medicine (J. R. Mendell), 1 November 1980 through 31 October 1981. (Project 762494 - New)

\$25,986.00 - The New York State Education Department, Division of Occupational Education Supervision, Albany, New York, Consortium for the Development of Professional Materials for Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762472 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Erythrocyte Beta Receptors: Reliability and Application, Department of Medicine (D. V. Unverferth), 1 November 1980 through 31 October 1981. (Project 762488 - New)

\$17,620.00 - Upper Arlington Public Schools, Upper Arlington, Ohio, Career Education Intern Project, Academic Faculty of Special Services (J. J. Quaranta), 1 September 1980 through 1 June 1981. (Project 762476 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, *In Vitro* Valve Fibroblasts, Department of Pathology (N. Baba), 1 November 1980 through 31 October 1981. (Project 762486 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Radioimmunologic Diagnosis of Acute Renal Tubular Injury, Department of Medicine (R. A. Zager), 1 November 1980 through 31 October 1981. (Project 762489 - New)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Regulation of NAD Linked Malic Enzyme in Heart, Department of Food Science and Nutrition (K. Roehrig), 1 November 1980 through 31 October 1981. (Project 762485 - New)

\$11,919.00 - Franklin County Board of Mental Health and Retardation, Columbus, Ohio, Enhancement of the Decision Support System, Academic Faculty of Management Science (D. A. Schilling), 1 October 1980 through 30 September 1981. (Project 762477 - New)

\$7,731.00 - Southeast Ohio Technical Education Consortium, Nelsonville, Ohio, Contractual Agreement to Teach Certain Agricultural Courses at Belle Valley, Ohio, for the Southeast Technical Education Consortium, Cooperative Extension Service - State Operations (C. Cunningham) and Cooperative Extension Service - Field Operations (D. P. Miller and L. G. Sanford), 15 September 1980 through 31 December 1980. (Project 762491 - New)

\$6,000.00 - Caldwell Community College and Technical Institute, Hudson, North Carolina, Implementing Competency-Based Occupational Education Programs, National Center for Research in Vocational Education (R. E. Taylor), 1 October 1980 through 30 September 1981. (Project 762474 - Continuation)

\$5,000.00 - The Petroleum Research Fund, American Chemical Society, Washington, D. C., Rapid Three-Carbon Annelations, Department of Chemistry (D. J. Hart), 1 July 1980 through 30 June 1981. (Project 761771 - Continuation)

\$3,139.00 - Utah Technical College, Provo, Utah, and Milwaukee Area Technical College, Milwaukee, Wisconsin, Postsecondary Alliance - Evaluation Program Option A - Clearinghouse, National Center for Research in Vocational Education (R. E. Taylor), 1 May 1980 through 30 June 1981. (Project 762195 - Continuation)

\$2,000.00 - Milwaukee Area Technical College, Milwaukee, Wisconsin, and Utah Technical College, Provo, Utah, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$ 401,902.00**

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$41,056.00 - State of Ohio, Department of Transportation, Columbus, Ohio, Evaluation of Asphalt Pavement Recycling in Ohio: A Laboratory and Field Investigation, Department of Civil Engineering, Transplex, September 4, 1980 through September 3, 1981. (EES599/529079, Extension 1)

**Industrial and Other Sponsored Research and Development**

\$60,000.00 - \$30,000.00 from each: IBM, Armonk, New York, and GM Technical Center, Warren, Michigan, The Center for Welding Research, Department of Welding Engineering, July 1, 1980 through June 30, 1981. (EES610/529690)

\$13,246.00 - various industries for 14 development projects operated by three departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED  
RESEARCH AND DEVELOPMENT**

**\$73,246.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$29,000.00 - The Dow Chemical Company, Midland, Michigan--\$12,500.00 for Dow Research Fellowship; \$10,000.00 for Dow Fellowship in Selective Oxygenation; \$4,500.00 for Chemistry Department Dow Research Support Fund; and \$2,000.00 for Minority Assistance in the College of Administrative Science Fund.

\$20,000.00 - Mansfield University Foundation, Inc., Mansfield, Ohio--\$18,000.00 for Mansfield Campus Scholarship Fund and \$2,000.00 for Mansfield Campus Support Fund.

\$13,700.00 - The Leo Yassenoff Foundation, Columbus, Ohio--\$1,000.00 for Arts and Sciences Vice Provost Discretionary Fund; \$1,000.00 for University College Fund; \$1,000.00 for College of Medicine Progress Fund; \$1,000.00 for Social and Behavioral Sciences Support Fund; \$1,000.00 for College of the Arts Support Fund; \$1,000.00 for Journalism Director's Special Fund; \$1,000.00 for College of Agriculture and Home Economics Dean's Discretionary Fund; \$1,000.00 for College of Mathematical and Physical Sciences Dean's Emergency Fund; \$1,000.00 for College of Administrative Science Fund; \$1,000.00 for Graduate School Special Fund; \$1,000.00 for College of Social Work Emergency Fund; \$1,000.00 for Humanities Support Fund; \$500.00 for College of Law Student Financial Aid Fund; \$500.00 for College of Law Advancement Fund; \$500.00 for Physical Medicine Support Fund; and \$200.00 for Yassenoff Polar Studies Fund.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$11,400.00 - Eastman Kodak Company, Rochester, New York--\$2,000.00 for Eastman Kodak Scholarship in Chemical Engineering; \$2,000.00 for Eastman Kodak Scholarship in Mechanical Engineering; \$2,000.00 for Eastman Kodak Scholarship in Industrial Engineering; \$2,000.00 for Eastman Kodak Scholarship in Electrical Engineering; \$850.00 for ISE Advancement Fund; \$850.00 for Electrical Engineering Chairman's Discretionary Fund; \$850.00 for Department of Chemical Engineering Support Fund; and \$850.00 for I. G. Brenner Fund for Engineering.

\$10,000.00 - Alcoa Foundation, Pittsburgh, Pennsylvania, for Affirmative Action Program in Engineering Fund.

\$10,000.00 - Ciba-Geigy Limited, Ardsley, New York, for Reproductive Research Fund.

\$10,000.00 - Exxon Education Foundation, New York, New York, for Exxon Fellowship in Metallurgical Engineering.

\$10,000.00 - Ford Motor Company, Dearborn, Michigan--\$5,000.00 for Corporate Associates and \$5,000.00 for Affirmative Action Program in Engineering Fund.

\$10,000.00 - The Merck Company Foundation, Rahway, New Jersey, for Medicine-Clinical Pharmacology Fund.

\$10,000.00 - R. L. Wigor, Cincinnati, Ohio, for Presidents Club Special Fund.

\$8,010.00 - Goal Systems Corporation, Columbus, Ohio, for BIO-CMI Program Fund.

\$8,000.00 - The Standard Oil Company, Cleveland, Ohio, for Sohio Fellowship in Chemistry.

\$7,500.00 - Amoco Foundation, Inc., Chicago, Illinois--\$6,000.00 for Distinguished Teachers Awards Fund and \$1,500.00 for President's Emergency Fund.

\$7,356.00 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$6,540.83 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$6,362.49 - Mid Ohio Automotive, Inc., Columbus, Ohio, for Dr. Winter's GU Fund.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$6,000.00 - A. H. Robins Company, Inc., Richmond, Virginia, for Menopausal Patient Follow-up Project.

\$6,000.00 - Rockwell International, Pittsburgh, Pennsylvania, for Gear Lab Fund.

\$5,350.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$5,000.00 - Mr. and Mrs. Walter English, Columbus, Ohio, for University Atrium Fund.

\$5,000.00 - Walter H. Kidd, Baltimore, Ohio--\$2,500.00 for Architecture School Fund and \$2,500.00 for Ohio State National Merit Scholarship Fund.

\$5,000.00 - Landmark, Inc., Columbus, Ohio, for Endowed Professorship in Plant Protection.

\$5,000.00 - Mr. H. Dana Williams, Wilmington, Ohio, for Mid-America Solar Energy Complex Grant.

**Gifts-in-Kind**

\$30,112.50 - Mr. and Mrs. Horatio Ebert, Medina, Ohio (1,100 shares of Rubbermaid, Inc., stock), for Cancer Research Fund.

\$8,118.75 - Mr. James V. Armogida, North Canton, Ohio (150 shares of International Mineral and Chemical Corporation stock), for College of Law Advancement Fund.

**Establishment of Named Funds**

**The C. Victor Kendall Loan Fund**

The C. Victor Kendall Loan Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Catherine K. Kendall, in memory of her husband, C. Victor Kendall, B.S.Agr. '21, M.A. '29, Carroll County, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the fund is to be used for loans, without interest, to students in the field of conservation and natural resources in the College of Agriculture and Home Economics who are in need of financial assistance. The selection of the recipient(s) is to be made upon the recommendation of the Dean of the College of Agriculture and Home Economics.



February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The C. Victor Kendall Loan Fund (contd)**

Should the need for this loan fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics.

**Carl L. and Elizabeth Broughton Scholarship in Agriculture Fund**

The Carl L. and Elizabeth Broughton Scholarship in Agriculture Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with a generous gift from Carl L. and Elizabeth Broughton of Marietta, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to support undergraduate scholarships for worthy students enrolled in educational programs administered by or through the College of Agriculture and Home Economics. Recipients will be selected by the University Committee on Student Financial Aid based on recommendations of a committee comprised of the Dean of the College of Agriculture and Home Economics, the Associate Dean for Agriculture, and the Assistant Dean for Student Affairs in the College of Agriculture and Home Economics. Preference will be given to recipients who are residents of Ohio, West Virginia or Kentucky. Basis for the awards will encompass scholarship, leadership in extracurricular and/or financial need.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income from the fund may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the appropriate official of the University who is then directly responsible for agricultural curricula at The Ohio State University.

**The John B. Nordholt Professorship in Mechanical Engineering  
or Metallurgical Engineering Fund**

The John B. Nordholt Professorship in Mechanical Engineering or Metallurgical Engineering Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. and Mrs. John B. Nordholt, Jr., and Mr. and Mrs. Shelby Nordholt, Sr., in memory of John B. Nordholt, Sr., M.E. '08, formerly of Tiffin, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The John B. Nordholt Professorship in Mechanical Engineering  
or Metallurgical Engineering Fund (contd)**

The annual income is to be used to provide support for the work of a distinguished teacher, researcher and engineer in mechanical or metallurgical engineering. Appointment to the Nordholt Professorship will be recommended by the Dean of the College of Engineering to the President and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for mechanical and metallurgical engineering education.

**The Ernest Robert Keppel Foundation Fund**

The Ernest Robert Keppel Foundation Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University through The Ohio State University Development Fund from the Estate of Emily C. Keppel, Seneca County, Ohio, in memory of her husband, Ernest Robert Keppel.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from this fund shall be used to grant scholarships to deserving students of the University. The University College Dean and University Treasurer, or their successors in office, shall be responsible for the administration of the fund.

Should the need for The Ernest Robert Keppel Foundation Fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative officials of the University who are then directly responsible for scholarships.

**The Evan J. Crane Memorial Scholarship Fund**

The Evan J. Crane Memorial Scholarship Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Helen G. Crane, B.A. '16, in memory of her husband, Dr. Evan J. Crane, B.A. '11, D.Sc. '38, who served as Editor of Chemical Abstracts from 1915 to 1958 and Director of Chemical Abstracts Service from 1956 to 1958.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Evan J. Crane Memorial Scholarship Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students who have demonstrated academic ability and need for financial assistance. Preference is to be given to students from Canal Winchester, Ohio, who intend to enroll in the College of Agriculture and Home Economics. The selection of the recipient is to be made upon the recommendations of the University Scholarship Committee in cooperation with the Dean of the College of Agriculture and Home Economics.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for agriculture and home economics education.

**The Ruth L. Higgins Memorial Scholarship Fund**

The Ruth L. Higgins Memorial Scholarship Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Ruth L. Higgins, Ph.D. '26, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarship assistance to one or more graduate students in the Department of History, College of Humanities. The selection of the recipient(s) is to be made upon the recommendations of the appropriate committees selected by the Dean of the College of Humanities and the Chairman of the Department of History.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$402,109.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant - Administration, Cancer Research Center (D. S. Yohn), 1 July 1980 through 30 June 1981. (Project 763976 - Continuation)

\$282,346.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Clinical Research Center Branch, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Medicine (W. B. Malarkey), 1 December 1980 through 30 November 1981. (Project 761196 - Continuation)

\$174,250.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunoprevention of Cancer in Cats, Department of Veterinary Pathobiology (R. G. Olsen and E. A. Hoover) and Department of Microbiology (P. C. Kimball), 1 October 1980 through 30 September 1981. (Project 761417 - Continuation)

\$135,000.00 - National Science Foundation, Washington, D. C., Acquisition of a Scanning Auger Microprobe, Department of Metallurgical Engineering (P. G. Shewmon and D. D. Macdonald), 15 December 1980 through 31 December 1981. (Project 762507 - New)

\$132,000.00 - Agency for International Development, Washington, D. C., Vocational Training Assistance in Jordan, National Center for Research in Vocational Education (R. E. Taylor), 14 November 1980 through 13 December 1981. (Project 762473 - New)

\$130,000.00 - Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Jam Resistant Communications Systems Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski and W. D. Burnside), 4 December 1980 through 30 September 1981. (Project 761461 - Continuation)

\$108,491.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Antivascular Endothelial Antibody in Transplantation, Department of Surgery (J. Cerilli), 1 December 1980 through 30 November 1981. (Project 763857 - Continuation)

\$107,274.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Increasing Productivity Through Social Structure, Department of Psychology (B. Latane), 1 October 1980 through 30 September 1981. (Project 762439 - New)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$93,501.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Person Perception Processes in Small Groups, Department of Psychology (T. M. Ostrom), 30 December 1980 through 29 December 1981. (Project 762498 - New)

\$93,405.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Comparative Studies in Perinatal Toxicology, Department of Veterinary Physiology and Pharmacology (R. A. Yeary), 1 December 1980 through 30 November 1981. (Project 762962 - Continuation)

\$83,656.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathogenesis of Experimental Atherosclerosis, Department of Physiological Chemistry (D. G. Cornwell), 1 December 1980 through 30 November 1981. (Project 762525 - Continuation)

\$83,600.00 - National Science Foundation, Washington, D. C., Wear and Friction of Metallic Materials, Department of Metallurgical Engineering (D. A. Rigney and G. Meyrick), 15 November 1980 through 30 November 1981. (Project 761244 - Continuation)

\$79,970.00 - Department of the Army, Army Armament Research and Development Command, Aberdeen Proving Ground (Edgewood Area), Maryland, Histological Preparation and Evaluation of Noise-Exposed Ears, Department of Otolaryngology (D. J. Lim), 1 December 1980 through 30 November 1981. (Project 762495 - New)

\$79,090.00 - National Science Foundation, Washington, D. C., Geochronology of Tertiary Marine Sequence of Southern South America, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 15 October 1980 through 31 October 1982. (Project 762524 - New)

\$70,040.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Vasoactive Intestinal Peptide, Human Leukocytes, and Leukemia, Department of Medicine (M. S. O'Dorisio and T. O'Dorisio), 1 December 1980 through 30 November 1981. (Project 762499 - New)

\$70,000.00 - Appalachian Regional Commission, Washington, D. C., Feeder Livestock Marketing Program in Ohio, Cooperative Extension Service - Field Operations (T. L. Jones), 1 October 1980 through 30 September 1981. (Project 762460 - Continuation)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$70,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Kinetic-Elastic Approach for Time-Dependent Rheological Data, Department of Chemical Engineering (R. S. Brodkey), 1 October 1980 through 30 September 1981. (Project 762084 - New)

\$69,500.00 - National Science Foundation, Washington, D. C., Ductile Fracture and Hydrogen Embrittlement, Department of Metallurgical Engineering (J. P. Hirth), 1 March 1981 through 28 February 1982. (Project 761528 - Continuation)

\$61,695.00 - National Science Foundation, Washington, D. C., Single-Atom Peri-Bridged Arenes and Hetarenes: Carbonic Processes, Department of Chemistry (H. Shechter), 15 November 1980 through 30 November 1981. (Project 762529 - Continuation)

\$61,253.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 1 July 1981 through 30 June 1982. (Project 761663 - Continuation)

\$58,232.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Energetics of CA<sup>2+</sup> Cycling During Muscle Contraction, Department of Physiology (J. A. Rall), 1 January 1981 through 31 December 1981. (Project 760993 - Continuation)

\$50,791.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Studies on the Syntheses of Boron Hydride Systems, Department of Chemistry (S. Shore), 16 October 1980 through 30 June 1981. (Project 761119 - Continuation)

\$50,662.00 - Department of Labor, Employment and Training Administration, Washington, D. C., Evaluating a Demonstration of a Career and Labor Market Information Development and Training Model, National Center for Research in Vocational Education (R. E. Taylor), 1 December 1980 through 30 November 1981. (Project 762508 - New)

\$50,020.00 - National Science Foundation, Washington, D. C., Analytical and Physico-Chemical Studies by Gas-Liquid Chromatography, Department of Chemistry (R. J. Laub), 1 March 1981 through 28 February 1982. (Project 761541 - Continuation)

\$49,982.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Analysis of Airborne Antenna Patterns, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 16 January 1981 through 15 January 1982. (Project 761012 - Continuation)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$45,059.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Control of Synaptogenesis in Cultures of the Central Nervous System, Department of Anatomy (R. W. Burry), 1 December 1980 through 30 November 1981. (Project 761963 - Continuation)

\$42,758.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weisogel), 17 December 1980 through 17 April 1981. (Project 762359 - Continuation)

\$40,740.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Nitroglycerin Tolerance, College of Pharmacy (T. D. Sokoloski and A. M. Burkman), 1 December 1980 through 30 November 1981. (Project 761464 - Continuation)

\$40,000.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter, R. J. Marhefka, and R. C. Rudduck), 31 October 1980 through 28 February 1981. (Project 761784 - Continuation)

\$39,553.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institutes of Dental Research, Bethesda, Maryland, Studies on the Dextran Sucrase of Streptococcus Sanguis, Department of Chemistry (R. M. Mayer), 1 January 1981 through 31 December 1981. (Project 760160 - Continuation)

\$38,700.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Division of Associated Health Professions, Hyattsville, Maryland, Physical Therapy-Teacher Preparation (M.S.), School of Allied Medical Professions (D. C. Broski), 1 January 1981 through 30 June 1981. (Project 761472 - Continuation)

\$38,460.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Biochemistry of Inhibitors of Estrogen Biosynthesis, College of Pharmacy (R. W. Brueggemeier), 1 January 1981 through 31 December 1981. (Project 762520 - New)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$37,529.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Enzyme Aging and Gene Expression in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 December 1980 through 30 November 1981. (Project 762514 - New)

\$36,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on the Kinetics of Phase Changes on Solids, Department of Metallurgical Engineering (J. P. Hirth), 15 December 1980 through 14 December 1981. (Project 760222 - Continuation)

\$33,025.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Evaluation/Characterization of Seal Materials in Machining and Rubbing, Department of Industrial and Systems Engineering (J. T. Black), 31 December 1980 through 31 December 1981. (Project 760931 - Continuation)

\$30,116.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, *In Vitro* Oxidation of Psychoactive Drugs, Department of Chemistry (R. L. McCreery), 1 December 1980 through 30 November 1981. (Project 760533 - Continuation)

\$29,932.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, A Study of the Buckling, Postbuckling Behavior Vibrations of Laminated Composite Panels, Department of Engineering Mechanics (A. W. Leissa), 20 November 1980 through 30 September 1981. (Project 762513 - New)

\$28,100.00 - National Science Foundation, Washington, D. C., Comparative Cytology of Selected Chlorophyta, Department of Botany (G. L. Floyd), 1 January 1981 through 31 December 1981. (Project 761939 - Continuation)

\$26,580.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Division of Associated Health Professions, Hyattsville, Maryland, Medical Dietetics - Administration (M.S.), School of Allied Medical Professions (D. C. Broski), 1 January 1981 through 30 June 1981. (Project 761473 - Continuation)

\$26,464.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Ohio Expanded MEDIHC Effort, College of Medicine - Administration (M. V. Brown), 1 March 1981 through 30 June 1981. (Project 761854 - Continuation)



February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$25,992.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Hemoglobin Iron Metabolism by Human Macrophages, Department of Medicine (J. J. Rinehart), 1 December 1980 through 30 November 1981. (Project 761483 - Continuation)

\$15,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Therapy of Patients with Brain Tumors, Department of Surgery (W. E. Hunt), 1 January 1980 through 30 June 1981. (Project 760334 - Continuation)

\$13,118.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Extended Investigation into Pilot and System Response to Critical In-Flight Events, Department of Industrial and Systems Engineering (T. H. Rockwell and W. C. Giffin), 1 November 1980 through 31 January 1981. (Project 762501 - New)

\$9,860.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Data Reduction and Analysis, Department of Mechanical Engineering (D. A. Guenther), 1 November 1980 through 30 April 1981. (Project 762484 - New)

\$8,386.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Vestibular Control of Posture, Department of Otolaryngology (C. W. Stockwell), 1 December 1980 through 31 March 1981. (Project 760820 - Continuation)

\$7,500.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 1 December 1980 through 30 November 1981. (Project 761955 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$3,259,809.00**

**State of Ohio Research Contracts/Grants**

\$305,014.00 - State of Ohio, Department of Agriculture, Columbus, Ohio, Hog Accelerated Marketing System - A Pilot Project for Computerized Electronic Marketing of Slaughter Hogs, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and E. D. Baldwin), 1 November 1980 through 1 September 1981. (Project 761446 - Continuation)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$215,000.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, The Occupational Employment Statistics Survey Program in Ohio for Non-Manufacturing (Excluding Trade), 1981, Academic Faculty of Labor and Human Resources (S. C. Kelley, M. H. Sandver, and H. R. Blaine), 1 January 1981 through 31 March 1982. (Project 762515 - New)

\$25,986.00 - State of Ohio, Department of Education, Columbus, Ohio, Consortium for the Development of Professional Materials for Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762384 - Continuation)

\$20,755.00 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. P. Zuspan), 1 October 1980 through 31 December 1980. (Project 763510 - Continuation)

\$14,500.00 - Ohio Arts Council, Columbus, Ohio, Public Film/Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 July 1980 through 30 June 1981. (Project 762516 - New)

\$10,000.00 - Ohio Arts Council, Columbus, Ohio, Bromfield's Malabar, Department of Photography and Cinema (J. R. Green), 30 June 1980 through 31 December 1980. (Project 762519 - New)

\$5,040.00 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. H. Kim), 1 October 1980 through 31 December 1980. (Project 763509 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 596,295.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$110,252.00 - Westinghouse Electric, Electronics and Services, Ltd., County Clare, Ireland, Vocational Training Component Subcontract (World Bank/MOI Egypt), National Center for Research in Vocational Education (R. E. Taylor), 1 October 1980 through 31 October 1982. (Project 762480 - New)

\$59,997.00 - City of Columbus, Department of Finance, Management Services Division, Columbus, Ohio, Quality of Working Life Demonstration Effort, Academic Faculty of Labor and Human Resources (D. M. Ronchi), 6 November 1980 through 30 June 1981. (Project 760790 - Continuation)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$52,662.00 - School District of Philadelphia, Philadelphia, Pennsylvania, Alliance for Career and Vocational Education (Membership), National Center for Research in Vocational Education (R. E. Taylor), 15 October 1980 through 15 June 1981. (Project 762526 - New)

\$43,860.00 - Defiance County Soil and Water Conservation District, Defiance, Ohio, Evaluation of Crop Production Effects and Soil and Nutrient Losses from Lake Plain Soils with Conservation Tillage Management, Department of Agronomy (T. J. Logan), 1 October 1980 through 31 July 1982. (Project 762509 - New)

\$30,500.00 - Roskam Aviation and Engineering Corporation, Ottawa, Kansas, General Aviation/Airfoil Design and an Analysis Service, Individual User's Orders, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and J. D. Lee), 1 December 1980 through 15 February 1981. (Project 762145 - Continuation)

\$30,000.00 - Alfred P. Sloan Foundation, New York, New York, Workshop on the Time Structure of Discourse, Department of Linguistics (A. M. Zwicky), 1 November 1980 through 31 October 1982. (Project 762504 - New)

\$19,998.00 - Mallinckrodt, Inc., St. Louis, Missouri, Evaluation of the Limulus Lysate Assay for the Presumptive Diagnosis of Gonococcal and Nongonococcal Disease in Females, Department of Medicine (R. B. Prior and V. A. Spagna), 1 September 1980 through 28 February 1982. (Project 762496 - New)

\$15,639.00 - Union Carbide Corporation, Linde Division, Tarrytown, New York, Feeding Synthetic Zeolites to Broiler Chickens, Department of Poultry Science (D. J. Latshaw), 1 November 1980 through 30 June 1981. (Project 762468 - New)

\$12,440.00 - United Cancer Council, Indianapolis, Indiana, Effect of Tumor-Promoters on the Key Glycolytic Enzymes in Mouse Skin, Department of Pharmacology (G. A. Tejwani), 1 January 1981 through 31 December 1981. (Project 762522 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Biochemical Basis for the Action of Hydralazine, Department of Pharmacology (R. H. Fertel), 1 November 1980 through 31 October 1981. (Project 762503 - New)

\$9,710.30 - American Chemical Society, Petroleum Research Fund, Washington, D. C., Dispersion Versus Absorption (DISPA): A New Spectral Line Shape Analysis for Inhomogenous Systems, Department of Chemistry (A. G. Marshall), 1 September 1980 through 31 August 1981. (Project 762370 - Continuation)

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$4,504.00 - The Apple Education Foundation, Cupertino, California, Apple Strategies Emulating Existing Design (Apple S.E.E.D. Project), College of Medicine - Administration (R. C. Comer and J. L. Burson), 1 January 1981 through 31 December 1981. (Project 762497 - New)

\$4,500.00 - Hamilton Standard, Division of United Technologies, Windsor Locks, Connecticut, Advanced Airfoils for Propeller Applications, Department of Aeronautical and Astronautical Engineering (K. Korkan), 15 November 1980 through 31 December 1980. (Project 762500 - Continuation)

\$3,788.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Improved Control Algorithms for Adaptive Control of a Milling Process, Department of Mechanical Engineering (K. Srinivasan), 1 January 1981 through 30 September 1981. (Project 762506 - New)

\$3,268.00 - Franklin County Mental Health Board, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 November 1980 through 31 December 1980. (Project 761912 - Continuation)

\$2,000.00 - Greater Columbus Arts Council, Columbus, Ohio, Promotion for Public Film, Photography and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 July 1980 through 30 June 1981. (Project 762505 - New)

\$2,000.00 - Quinsigamond Community College, Worcester, Massachusetts, and Caldwell Community College and Technical Institute, Hudson, North Carolina, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$1,250.00 - Hartzell Propeller, Inc., Piqua, Ohio, General Aviation Airfoil Design and Analysis Service - Two Dimensional Data on Airfoil Sections, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and K. D. Korkan), 1 December 1980 through 31 January 1981. (Project 762510 - New)

\$1,000.00 - Southern Illinois University, Carbondale, Illinois, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$ 419,368.30**

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

Industrial and Other Sponsored Research and Development

\$11,772.00 - various sponsors for 30 projects operated by two research areas.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$149,866.50 - Adria Labs, Columbus, Ohio--\$124,886.50 for Clinical Pharmacology Fund and \$25,000.00 for Cardiovascular Research Fund.

\$75,348.00 - Hoffman-LaRoche, Inc., Nutley, New Jersey, for Clinical Pharmacology Fund.

\$70,000.00 - The Kaplan-Halpert Foundation, Inc., Columbus, Ohio, for Jack M. George Fund.

\$69,950.00 - C. Glenn Barber Foundation Trust, Cleveland, Ohio, for C. Glenn Barber Fund.

\$57,502.00 - Eli Lilly and Company, Indianapolis, Indiana, for Clinical Pharmacology of Dobutamine.

\$35,000.00 - The Bremer Foundation, Youngstown, Ohio, for The Bremer Foundation Fund.

\$35,000.00 - Mrs. Florence R. Johnson, Columbus, Ohio, for Everett D. Reese Arthritis Research Fund.

\$30,000.00 - Freight Service, Inc., Newark, Ohio, for Howard E. and Catherine Bonner LeFevre Fund.

\$30,000.00 - Ross Laboratories, Columbus, Ohio, for Tumor Immunology Program.

\$30,000.00 - The Richard H. and Ann Shafer Foundation, Westerville, Ohio (given in the name of Mrs. Richard H. Shafer), for Student Athlete Grant-in-Aid Fund.

\$30,000.00 - The Edward C. and Hazel L. Stephenson Foundation, Grosse Point Woods, Michigan, for Edward C. and Hazel L. Stephenson Fund.

\$25,967.00 - The Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$25,900.00 - Biomedics Research, Inc., Des Plaines, Illinois, for Extracorporeal Carbamylation for Treatment for Sickle Cell Disease.

\$25,000.00 - Norden Laboratories, Inc., Lincoln, Nebraska, for Olsen/Wright Vaccine Development.

\$25,000.00 - TRW, Redondo Beach, California--\$10,000.00 for Advanced Design Methods Laboratory--Mechanical Engineering; \$10,000.00 for Capital Campaign Industrial and Systems; and \$5,000.00 for ElectroScience Laboratory Director's Fund.

\$25,000.00 - Vesuvius Crucible Company Charitable Foundation, Pittsburgh, Pennsylvania--\$18,750.00 for Fracture Mechanics and Material Evaluation Program in the College of Engineering; and \$6,250.00 for Engineering Mechanics Chairman's Discretionary Fund.

\$21,934.94 - Louise Orr Scott Foundation, Columbus, Ohio--\$16,451.96 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$5,483.98 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$21,735.00 - Janssen Pharmaceutica, New Brunswick, New Jersey, for Gastrointestinal Cancer Research Fund.

\$20,844.56 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$20,561.19 - Retinal Consultants, Inc., Columbus, Ohio--\$18,013.00 for Retina Research Fund; \$2,027.19 for Ophthalmology Photography Fund; and \$521.00 for Ophthalmology Art Work Rotary.

\$19,934.41 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$19,459.78 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$19,433.00 - Warner-Lambert Company, Ann Arbor, Michigan, for Anesthesia Research and Education Enhancement Fund.

\$17,754.93 - Oncology Immunology Lab, Columbus, Ohio, for Cancer Research Fund.

\$17,000.00 - The E. F. Wildermuth Foundation, Columbus, Ohio, for Kathryn M. and E. F. Wildermuth Memorial Fund.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

**\$16,349.00** - General Motors Corporation, Warren, Michigan, for General Motors Corporation Scholarship Fund.

**\$11,000.00** - Estate Under the Will of H. Ethel Neidigh, State College, Pennsylvania, for Maurice W. Neidigh Scholarship Fund.

**\$11,000.00** - Katherine E. Parrett Trust, Washington C. H., Ohio, for Katherine E. Parrett Fund.

**\$10,200.00** - Davis & Geck, Inc., Manati, Puerto Rico, for Menopausal Patient Follow-up Project.

**\$10,000.00** - Eaton Charitable Fund, Cleveland, Ohio, for Advanced Design Methods Laboratory--Mechanical Engineering.

**\$10,000.00** - Helen C. Morris Fund of the Columbus Foundation, Columbus, Ohio, for Society of Alumni and Friends of the School of Music Scholarship Fund.

**\$10,000.00** - Porthouse Foundation Income Account, Kent, Ohio--**\$5,000.00** for College of Engineering Special Fund and **\$5,000.00** for Student Athlete Grant-in-Aid Fund.

**\$10,000.00** - SISA Incorporated, Cambridge, Massachusetts, for Clinical Pharmacology Fund.

**\$9,978.00** - The Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.

**\$9,853.73** - Sidney L. Pressey Trust, Columbus, Ohio, for Sidney L. Pressey Honors Program Fund.

**\$9,750.00** - Dr. Ruth H. Cahill, Columbus, Ohio--**\$4,875.00** for Home Economics Programs Fund Endowment and **\$4,875.00** for Animal Science Special Fund.

**\$9,000.00** - Mr. R. W. Gardner, Westerville, Ohio--**\$3,150.00** for Paul N. Lehoczky Memorial Fund; **\$3,150.00** for J. F. Robeson Research Fund; and **\$2,250.00** for Presidents Club Special Fund; and **\$450.00** for Sphinx Plaza.

**\$8,500.00** - Dorothy J. Knull, Columbus, Ohio, for Josef N. Knull Memorial Fund in Entomology.

**\$7,500.00** - Amoco Foundation, Inc., Chicago, Illinois, for Amoco Foundation, Inc., Fellowship Fund for Chemical Engineering.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$7,435.20 - Ives Laboratories, Inc., New York, New York, for Cardiovascular Research Fund.

\$7,000.00 - Chevron U.S.A., Inc., San Francisco, California, for Chevron Fellowship.

\$7,000.00 - Kibble Foundation, Gahanna, Ohio, for Kibble Foundation Scholarship Fund.

\$6,000.00 - Estate Under the Will of William A. Buente, Summit, New Jersey, for College of Medicine.

\$6,000.00 - Mrs. Beth L. Carson, Midland, Michigan, for Paul N. Lehoczky Memorial Fund.

\$6,000.00 - Gerlach Foundation, Inc., Columbus, Ohio (given in the names of John B. Gerlach and David P. Gerlach), for Presidents Club Special Fund.

\$6,000.00 - Kal Kan Foods, Inc., Columbus, Ohio, for Graduate School Minority Recruiting Program Fund.

\$5,707.31 - Trust Under the Will of Harry Brakeman, Middletown, Ohio, for Harry and Ethel Brakeman Memorial Scholarship Fund for Optometry Students.

\$5,550.00 - Mr. John Deaver Drinko, Cleveland, Ohio, for Newton D. Baker Scholarship Fund.

\$5,442.00 - Antique Show Receipts, Columbus, Ohio (given in the name of Josephine Failer), for Presidents Club Special Fund.

\$5,250.00 - Cleveland Institute of Electronics, Cleveland, Ohio, for Newton D. Baker Scholarship Fund.

\$5,000.00 - Mr. Gerald O. Allen, Cleveland, Ohio, for C. William O'Neill Professorship of Law Fund.

\$5,000.00 - Mrs. Irvin L. Allison, Columbus, Ohio, for Dr. Floyd M. Beman Fund.

\$5,000.00 - Ashland Oil, Inc., Ashland, Kentucky, for Minority Assistance Program in the College of Administrative Science.

\$5,000.00 - BRS, Beaverton, Oregon, for Varsity (Football) Managers Activity Fund.

\$5,000.00 - Bank One of Columbus, Columbus, Ohio, for C. William O'Neill Professorship of Law Fund.



February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$5,000.00 - Campbell Soup Fund, Camden, New Jersey, for Endowed Chair in Food Industries.

\$5,000.00 - The Cleveland Electric Illuminating Company, Cleveland, Ohio, for Ohio Electric Utility Institute Fellowship Fund.

\$5,000.00 - Diamond Shamrock Corporation, Cleveland, Ohio, for Diamond Shamrock Fund in Chemical Engineering.

\$5,000.00 - Firestone Tire and Rubber Company, Akron, Ohio, for Fraenkel Research Fund.

\$5,000.00 - Mr. Ray J. Groves, Moreland Hills, Ohio--\$2,000.00 for Ernst and Whinney Accounting Grant; \$2,000.00 for College of Administrative Science Fund; and \$1,000.00 for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Ms. Helen Coast Hayes, Portland, Ohio, for Operation Eye Research.

\$5,000.00 - Mr. Clair E. Jones, Wauseon, Ohio, for Ohio 4-H Foundation Fund.

\$5,000.00 - Mansfield University Foundation, Inc., Mansfield, Ohio, for Mansfield Campus Scholarship Fund.

\$5,000.00 - Mr. Dwight H. Morehead, Toledo, Ohio, for College of Law Advancement Fund.

\$5,000.00 - Ohio State University, San Marino, California, for Milton Caniff Research Room.

\$5,000.00 - Pfizer, Inc., Lee's Summit, Missouri, for Pfizer Research Fellowship.

\$5,000.00 - Phillips Petroleum Foundation, Inc., Bartlesville, Oklahoma, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - Mrs. Carole Stupell, New York, New York, for Aging Nervous System and Pathogenesis of Alzheimer's Disease and Senile Dementia.

\$5,000.00 - Mr. Roy E. VonIns, Marion, Ohio, for Marion Campus Dean's Discretionary Fund.

**Gifts-in-Kind**

\$150,000.00 - Conard and Nancy Stitzlein, Glenmont, Ohio, 1/4 interest and 1/4 possession of a polled hereford bull, Vindicator.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts-in-Kind (contd)**

\$97,500.00 - Mr. Everett D. Reese, Columbus, Ohio, 6,500 shares Canyon Savings and Loan Association stock for Presidents Club Special Fund.

\$81,250.00 - Mr. and Mrs. Jack Howell, Bremen, Ohio, nine standardbred horses.

\$36,937.50 - Mr. John J. Gerlach, Columbus, Ohio, 3,000 shares Lancaster Colony Corporation stock for Gerlach Fund.

\$30,456.00 - Mr. Abba G. Lichtenstein, Fair Lawn, New Jersey, 32 Labradorite stones and 78 Amethyst stones.

\$25,250.00 - Mr. and Mrs. John B. Gerlach, Columbus, Ohio, 2,000 shares Lancaster Colony Corporation stock for Gerlach Fund.

\$25,240.60 - Mr. James S. Nordholt, Tiffin, Ohio, 745 shares Webster Industries, Inc., stock for John B. Nordholt Professorship in Mechanical Engineering or Metallurgical Engineering.

\$25,056.25 - Owens-Illinois Corporation, Toledo, Ohio, 950 shares Owens-Corning Fiberglas Corporation stock.

\$24,000.00 - Mr. and Mrs. Howard LeFevre, Newark, Ohio, 3,000 shares Capitol Corporation stock for the Howard E. and Catharine Bonner LeFevre Fund.

\$15,000.00 - Mr. Landon Knight, Akron, Ohio, thoroughbred stallion, Brooks Brother.

\$11,400.00 - Mr. Daniel G. Amstutz, New York, New York, 12,000 shares Penn Central CBI's for Presidents Club Special Fund.

\$11,125.00 - William H. Havener, M.D., Columbus, Ohio, 500 shares Patrick Petroleum stock for Ophthalmology Teaching Fund.

\$11,125.00 - Mr. John Reiner, Dublin, Ohio, nine original works of art.

\$7,267.50 - Mr. John Holscher, Worthington, Ohio--\$3,483.75 part shares International Shipholding stock for Friends of WOSU Endowment Fund; \$3,483.75 part shares International Shipholding stock for Marketing Faculty Support Fund; \$200.00 part shares International Shipholding stock for Faculty Club Building Fund; and \$100.00 part shares International Shipholding stock for Friends of WOSU.

\$5,437.50 - Mr. Richard T. Baker, Shaker Heights, Ohio, 125 shares General Dynamics stock for Joseph B. Collinson Scholarship Fund.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**William H. Davis Scholarship Fund for Basic Medical Research**

The William H. Davis Scholarship Fund for Basic Medical Research was established February 6, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from William H. Davis, B.S.Bus.Adm. '26, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to support basic research in medicine to provide one or more scholarships to young scientists who have shown an interest in academic medicine as a career. All recipients should have an M.D. degree and should have had at least three years of training in research or in a graduate discipline. Income from the fund will pay for expenses other than for the salaries of the researchers, provided that, if more than four researchers are employed at any one time and if income from the fund is then sufficient, it may be used for salaries of researchers in excess of four individuals. During the first two years of the fund's operation, the income should be equally divided between the Department of Surgery and the Department of Medicine. Thereafter, the division of funds will be determined by the Advisory Board.

There shall be an annual deadline for the submission of applications to become "Davis Scholars." Prospective scholars may be nominated by any faculty member in the Departments of Medicine or Surgery. The selection of research projects and the appointment of "Davis Scholars" will be made upon the recommendation of the Dean of the College of Medicine and the Vice President for Health Sciences, in cooperation with an Advisory Board named by the Vice President for Health Sciences and whose members will include three (3) from within the University and two (2) non-physician representatives from outside the University, for a total of five. The members from the community-at-large should be individuals of considerable accomplishment in their respective fields, whether that be business, law, journalism or any other profession. Dorothy M. Davis and William C. Davis shall be members of the Advisory Board during their lifetimes or as long as they wish to serve, and in the event the service of either should terminate, the replacement shall be an individual who is qualified as stated above and who is nominated for this purpose by William H. Davis by letter or by will. All expenditures shall be approved by the Dean of the College of Medicine and the Chairman of the department from which the scholar is selected and/or from which the research project originated.

Any income resulting from the research provided by the fund will be added to and maintained as part of the principal of the fund in accordance with University policies on copyrights and patents. "Davis Scholars" may accept temporary assignments at other institutions

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**William H. Davis Scholarship Fund for Basic Medical Research (contd)**

to further their research, in accordance with the personnel policies of the University, but should return to Ohio State for a minimum of two years to teach and/or continue their research efforts.

If at a later date a gift is received from Dorothy M. Davis, the name of the fund shall be changed to the WILLIAM H. AND DOROTHY M. DAVIS SCHOLARSHIP FUND FOR BASIC MEDICAL RESEARCH. An annual report of income and expenditures shall be prepared for the Advisory Board and William H. Davis, Dorothy M. Davis and William C. Davis.

Should the need for these scholarships and/or research projects cease to exist or so diminish as to provide unused income, then the income may be used for any purposes recommended by the appropriate administrative official of the University who is then directly responsible for basic medical research.

**The James Hay and Ruth Jansson Wilson Professorship in Cardiology Fund**

The James Hay and Ruth Jansson Wilson Professorship in Cardiology Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Ruth Jansson Wilson in memory of her husband, James Hay Wilson, B.S.Bus.Adm. '28.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide salary and program support for the work of a distinguished cardiologist. This will include research, education and prevention. Income will be added to principal until sufficient funds are available, i.e., \$250,000 to fully endow the professorship. Appointment to the Wilson Professorship will be recommended by the Dean of the College of Medicine and approved by the Vice President for Health Sciences and the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for cardiovascular medicine.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Frank J. Tate Scholarship in Journalism**

The Frank J. Tate Scholarship in Journalism was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts from the Board of Directors of The Ohio State University Alumni Association and friends of Frank J. Tate, long-time editor of the *OSU Monthly*.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide undergraduate scholarships in the School of Journalism. Preference will be given to those students in the upper division who are majoring in magazine management or news magazine reporting. Selection of the recipient will be made by the University Committee on Student Financial Aids, based upon the recommendations made by the Scholarship Committee of the School of Journalism.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the School of Journalism.

**The Gerald B. Rice Memorial Fund**

The Gerald B. Rice Memorial Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mrs. Mildred Rice Fisher and Miss Cora Mae Joachim, Pomeroy, Ohio. The fund honors the memory of Gerald B. Rice (1931-80), a graduate of The Ohio State University (B.A. '52, M.A. '55) and Assistant Professor of English at The Ohio State University at Mansfield (1965-80). Professor Rice was the son of Mrs. Fisher and a nephew of Miss Joachim.

The original gifts and all subsequent gifts to this fund are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to reinvest as occasion dictates.

The annual income is to be used in support of programs in theatre and/or English at The Ohio State University in Mansfield. A portion of the income will be awarded annually, as the "Gerald B. Rice Theatre Prize," to the student(s) who contributed most to the success of theatrical productions on the Mansfield Campus. Recipient(s) of the prize will be selected annually by the Dean and Director upon recommendations of a committee appointed by the Dean and Director. The remainder of the income will be used to benefit the theatre and/or

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Gerald B. Rice Memorial Fund (contd)**

English programs on the advice of the same committee. All expenditures must be approved by the Dean and Director in consultation with the Vice President for Regional Campuses.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the Vice President for Regional Campuses in consultation with the administrators of the Mansfield Campus.

**The D. Lois Gilmore Memorial Award**

The D. Lois Gilmore Memorial Award was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts from relatives, friends, alumni and associates in the Department of Textiles and Clothing in the School of Home Economics.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to fund an award to be used in support of graduate research in the Department of Textiles and Clothing. The award will be made by the Director of the School of Home Economics based on the recommendations of the Fellowship Committee of School of Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the School of Home Economics.

**The Robert E. Schaefer Scholarship Fund**

The Robert E. Schaefer Scholarship Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University by a gift from Robert E. Schaefer, B.S. '35, former publisher of the Chillicothe, Ohio, Gazette newspaper.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Robert E. Schaefer Scholarship Fund (contd)**

Eighty per cent (80%) of the annual income is to be used to provide a scholarship to a student enrolled in the School of Journalism. The remaining twenty per cent (20%) of the annual income shall be applied to the principal each year. The School of Journalism Scholarship Committee will select a candidate of above average academic achievement who has indicated a preference for the print media (or the newspaper profession). If all other qualifications are similar, applicants from Ross County, Ohio, should be given preference. The Scholarship Committee choice will be approved by the Director of the School of Journalism as will requisitions for funds be approved by the Director.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for journalism scholarships.

**Shirley A. Brooks Scholarship in Agriculture**

The Shirley A. Brooks Scholarship in Agriculture was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Shirley A. Brooks.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal is to be used to provide scholarships for incoming freshmen enrolled in the undergraduate degree program of agriculture. First preference shall be given to students who are residents of Vinton County, Ohio, and, in turn, other southeastern Ohio residents. The students need not be honors students but should instead be those students whose grade point average in high school shows evidence of potential for success in college and who come from homes of modest means. Recipients may apply for and receive a first renewal of the scholarship. The selection of the recipients shall be made by the University Committee on Student Financial Aids based on recommendations of a committee comprised of the Dean of the College of Agriculture and Home Economics, the Assistant Dean for Student Affairs in the College of Agriculture and Home Economics, and Shirley A. Brooks during her lifetime. Following her death, the third individual on the committee shall be a faculty member in agriculture who is familiar with the needs of students from southeastern Ohio.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for curricula in agriculture.

February 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Judge William M. Drennen Award Fund**

The Judge William M. Drennen Award Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University College of Law. The gifts were made by the former law clerks to Judge Drennen, J.D. '38, and others, to honor his many years of service as a judge on the United States Tax Court.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income from this fund is to be used to award prizes each year to the senior student receiving the highest grade point average in courses in federal taxation. In selecting the student the following courses (or their approximate equivalent, in the judgment of the Dean of the College of Law) shall be included in the calculation: Law 512, 606, 715 and 745. A student to qualify must have earned at least ten credit hours in the selected courses. (Courses taken in the Spring Quarter just prior to his or her graduation will not be included in the calculation.) If possible, the prize shall be awarded at the College of Law June Hooding Ceremony. The purpose of the prize is to honor Judge Drennen. The prize shall be called the Judge William M. Drennen Prize and each recipient shall be informed of the purpose of the prize.

Should the need for The Judge William M. Drennen Award Fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-78

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:



February 6, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**CHEMICAL INSTRUMENTATION CENTER**

Project: This remodeling project provides space for a Chemical Instrumentation Center on the first floor of Johnston Laboratory to house various laboratories and support offices.

Funding: Budget Account 885090 (Local Funds)

Estimated Project Cost: \$212,408.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids *at such time as the University budget situation is clarified*, and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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President Enarson:

Under Miscellaneous, there are three drafts which were, I think, acted on in a single action by the Committee this morning, and it's with great pleasure that I ask the Chairman of that Committee to explain it because I would prefer not to.

Mr. Hilliker: We're going to turn that one over to Mr. Jackson.

Mr. Jackson:

There are three resolutions before you today. The first resolution has to do with-- let me give you a broad-base view. All three of the resolutions have to do with the same situation. As you know, we have on a couple of previous occasions, rolled over some anticipation notes in the amount of \$9.5 million for the construction of various projects around the campus. It doesn't seem possible, but the six months are about up from the last time we did it. There was, when this information was put together, some concern as to whether or not we should sell long-term bonds at this time, or sell anticipation notes again. So we have before you the documents necessary which were prepared by Squire, Sanders for the sale of the long-term bonds for this \$9.5 million. If, as a result of the marketplace we are not able to place those at an acceptable rate, then we would go back out under one of the other resolutions here and sell anticipation notes again. The third one has to

February 6, 1981 meeting, Board of Trustees

Mr. Jackson: (contd)

do with preventing me from doing both, and I think that that certainly is most appropriate. So the first one is the anticipation notes; the second resolution is the long-term bonding which we have every confidence we're going to be able to do at this time, and the third one, then, is the authorization for us to do one or the other.

President Enarson:

Mr. Chairman, I had raised a question with the Board. I was wondering, in view of the nature of these three whether they should not be acted on one by one. I don't think they can really be homogenized.

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1981**

Resolution No. 81-79

*Synopsis: Issuance and sale of The Ohio State University General Receipts Bond Anticipation Notes, Series 1981 is recommended.*

WHEREAS the Board of Trustees of The Ohio State University (the "Board"), is vested with the government of The Ohio State University (the "University" and, when the context admits, collectively with the Board called the "University") by Chapter 3335, Ohio Revised Code; and

WHEREAS the University has previously determined, and does hereby confirm, that it has been necessary to construct and equip certain vehicular parking facilities on the campus of the University, comprised of two multi-level parking structures and appurtenances known as the 9th Avenue Parking Ramp and the 11th Avenue Parking Ramp, with an aggregate capacity for the parking of approximately 1,740 motor vehicles, and that it is necessary to install smoke detector equipment in 11,113 living units of University and University Housing Commission dormitories and other University living quarters and in the common areas of 25 University and University Housing Commission dormitory buildings, such vehicular parking facilities and smoke detector equipment being herein called the "Project"; and

WHEREAS the costs of the Project constituting "costs of auxiliary facilities" as defined in Section 3345.12 (A) (8), Ohio Revised Code (the "costs of the Project") are at least \$9,500,000; and

WHEREAS the University previously determined, and does hereby confirm, to borrow funds for the permanent financing of the costs of the Project, and for such purpose to issue its General Receipts Bonds (the "Bonds") at such time and in such principal amount as may be necessary for such purpose, pursuant to authorizing provisions of law including Sections 3345.11 and 3345.12, Ohio Revised Code; and

February 6, 1981 meeting, Board of Trustees

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1981 (contd)**

WHEREAS the University heretofore determined that it was necessary to issue, prior to and in anticipation of permanent financing of the costs of the Project, \$9,500,000 of General Receipts Bond Anticipation Notes, Series 1979 (the "Series 1979 Notes") as provided in Resolution No. 80-58 adopted by this Board on November 30, 1979; and

WHEREAS the University heretofore determined that, for the purpose of refunding the Series 1979 Notes, it was necessary to issue \$9,500,000 of General Receipts Bond Anticipation Notes, Series 1980 (the "Outstanding Notes") as provided in Resolution No. 81-32 adopted by this Board on September 5, 1980, and has determined that it is necessary to issue notes as provided in this resolution to refund the Outstanding Notes, which mature April 1, 1981;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University, that:

Section 1. It is determined to be necessary to borrow, pursuant to Sections 3345.11 and 3345.12, Ohio Revised Code, and for the purpose of refunding the Outstanding Notes issued for the purpose of paying the costs of the Project, the amount of \$9,500,000 and to issue General Receipts Bond Anticipation Notes, Series 1981 (the "Notes") to evidence such borrowing.

Section 2. The Notes shall be in the aggregate principal amount of \$9,500,000; shall be dated the date of issuance; shall bear interest from their date at a rate or rates not exceeding ten per centum (10%) per annum, to be fixed by the Fiscal Officer in his certificate awarding the Notes pursuant to Section 6 hereof, such interest to be payable at maturity; and shall mature six months from date; shall be issued in such denominations as requested by the Original Purchaser and approved by the Fiscal Officer, provided that the denominations shall be in the minimum amount of \$25,000 each and if greater in multiples of \$5,000 and that the entire principal amount may be represented by a single note; shall be numbered as determined by the Fiscal Officer; shall not have coupons attached; shall be signed in their official capacities by the Chairman of the Board or the President of the University and by the Fiscal Officer, provided that one of such signatures may be a facsimile signature; and shall express upon their faces the purpose for which they are issued and that they are issued pursuant to this resolution.

Section 3. The Notes may be issued in registered form or in unregistered form as requested by the Original Purchaser, shall reflect the appropriate terms of the offer and sale thereof consistent with this resolution and with the Invitation for Proposals for the Notes (the "Invitation for Proposals"), which is on file in the Office of the Secretary of the Board, and may contain such other provisions, consistent with this resolution and with the Invitation for Proposals, as the President of the University or the Fiscal Officer may approve.

Section 4. If the holder (in this section called the "owner") of a note issued pursuant to this resolution claims that such note has been lost, destroyed, or wrongfully taken, the Fiscal Officer is authorized to cause to be executed and delivered a new note (in this section

February 6, 1981 meeting, Board of Trustees

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1981 (contd)**

called the "replacement note") of like date and tenor (specifying on its face, however, that it is issued in place of the original note) in place of the original note, in accordance with and subject to the provisions of Section 1308.35, Ohio Revised Code, and of this section. The owner's notification and request pursuant to said Section 1308.35 shall be in writing, addressed to the Fiscal Officer and shall include evidence satisfactory to the Fiscal Officer of such loss, destruction, or wrongful taking and of his ownership. The Fiscal Officer is authorized to approve, so long as satisfactory to such officer, the indemnity bond that the owner shall file with the University as a condition to the issuance of a replacement note, and is further authorized to impose other reasonable requirements, including a requirement that the owner pay the reasonable expenses and charges of the University in connection with the issuance, execution and delivery of such replacement note, as conditions to the delivery of a replacement note.

Section 5. The principal of and interest on the Notes shall be payable at the main office of The Huntington National Bank, Columbus, Ohio, or at such other bank designated by the Fiscal Officer in his certificate awarding the Notes pursuant to Section 6 hereof, such payment to be made in Federal Reserve Funds of the United States of America if the Original Purchaser shall so elect.

Section 6. The Notes shall be sold by the Fiscal Officer at a rate of interest not exceeding the limitation set forth in Section 2 hereof, at par and any premium, and in accordance with the provisions of the Invitation for Proposals. The Fiscal Officer is hereby authorized and directed to deliver the Notes, when executed, to the Original Purchaser upon payment of the purchase price together with any accrued interest.

Section 7. As provided in this resolution, the principal of and interest on the Notes, together with the principal of and interest on any other notes that may hereafter be issued by the University on a parity therewith, shall be equally and ratably payable from, and secured by a pledge of and a lien on, the "General Receipts" of the University as defined in Section 1 of the General Bond Resolution adopted by this Board on May 7, 1971 (the "General Bond Resolution"), but subject to the existing pledge thereof to bonds issued or to be issued pursuant to the General Bond Resolution. The principal of and interest on the Notes shall also be equally and ratably payable from, and secured by a pledge of and lien on, the proceeds of the sale of bonds or notes issued pursuant to Sections 3345.11 and 3345.12, Ohio Revised Code, or other authorizing provisions of law to refund or retire the Notes in whole or in part. Neither the State of Ohio nor the University or its Board shall be obligated to pay the principal of or interest on the Notes from any other funds or source, and the Notes shall not be a claim upon or lien against any property of the State of Ohio, or any other property of or under the control of the University. The Notes, as to both principal and interest, are not debts or bonded indebtedness of the State of Ohio, are not general obligations of the State or the University, and the full faith and credit thereof are not pledged thereto. The holders of the Notes shall have no right to have any excises or taxes levied by the General Assembly of the State of Ohio for the payment of principal or interest.

February 6, 1981 meeting, Board of Trustees

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1981 (contd)**

In consideration of the loan evidenced by the Notes, the University covenants and agrees that it will do all things necessary to effect the issuance and delivery, prior to the maturity of the Notes, of bonds or notes for the refunding or retiring of the Notes, pursuant to Sections 3345.11 and 3345.12, Ohio Revised Code, or other authorizing provisions of law, in such principal amount as may be necessary to pay the principal of and interest on the Notes, that it will do all things necessary to sell such bonds or notes at the time provided above and will accept such price and such interest rate as shall be necessary in order to effect such sale, and that it shall apply the proceeds thereof to the extent necessary to make full payment of said principal of and interest on the Notes, and these obligations are established as duties specifically enjoined by law upon the University and its officers, and result from their respective offices, trust or stations within the meaning of Section 2731.01, Ohio Revised Code.

In connection with the aforesaid covenant, it is the present intention of the University that any bonds eventually issued to retire the Notes or notes issued to refund the Notes will be issued as General Receipts Bonds pursuant to the General Bond Resolution, and that such bonds shall have not to exceed 20 annual principal maturities and that the principal thereon shall be paid in semi-annual installments.

Section 8. The proceeds of the Notes shall be applied promptly by the Fiscal Officer to the timely payment and discharge of the like aggregate principal amount of the Outstanding Notes. The Fiscal Officer is hereby directed to apply to the payment of the interest due on the Outstanding Notes upon the date of their payment, such amounts as may be required therefor from funds of the University lawfully available therefor.

Section 9. The University hereby covenants that it will restrict the use of the proceeds of the Notes in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of the delivery of and payment for such Notes, so that the Notes will not constitute arbitrage bonds under Section 103 (c) of the Internal Revenue Code and the applicable income tax regulations under that Section. The Fiscal Officer, or any other officer having responsibility for issuing the Notes, is authorized and directed, alone or in conjunction with any of the foregoing or with any other officer or employee of or consultant to the University, to give an appropriate certificate of the University, for inclusion in the transcript of proceedings, setting forth the reasonable expectations of the University on the date of delivery of and payment for the Notes regarding the amount and use of the proceeds of the Notes and the facts, estimates and circumstances on which they are based pursuant to said Section 103 (c) and the applicable income tax regulations thereunder.

Section 10. As used in this resolution, "Fiscal Officer" shall mean the Vice President for Business and Administration of the University, or, in his absence, the Treasurer of the University; "Original Purchaser" shall mean each financial institution or underwriter which initially purchases the Notes, as identified in the certificate of the Fiscal Officer awarding the Notes pursuant to Section 6 hereof; and references to any specified section of the Ohio Revised Code shall mean said section as it now exists and as it may from time to time be amended, supplemented or affected by later legislation, and shall include any provision

February 6, 1981 meeting, Board of Trustees

**ISSUANCE AND SALE OF THE OHIO STATE UNIVERSITY GENERAL  
RECEIPTS BOND ANTICIPATION NOTES, SERIES 1981 (contd)**

enacted in substitution therefor or as a supplement thereto. Any reference in this resolution to an officer of the University or the Board shall refer to the person holding such office or, in the event of absence or vacancy in such office, then to the person performing the duties of such office.

Section 11. It is found and determined that all formal actions of this Board concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board, and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22, Ohio Revised Code.

Section 12. If in the judgment of the President of the University or the Fiscal Officer, a disclosure document in the form of an Official Statement or Informational Statement is appropriate or necessary in connection with the original issuance of the Notes, each of such officers in his official capacity is authorized to prepare or cause to be prepared on behalf of the University an Official Statement or Informational Statement and any necessary supplements to either, and on behalf of the University to use and distribute, or authorize the use and distribution of, such Official Statement or Informational Statement and any supplements to either in connection with the original issuance of the Notes. Such officers are each further authorized to execute, on behalf of the University and in their official capacities, such Official Statement or Informational Statement and any supplements to either approved by such officers, and are each authorized and directed to advise the Original Purchaser in writing regarding limitations on the use of the Official Statement or Informational Statement and any supplements to either for purposes of marketing or reoffering the Notes as the officer acting deems necessary or appropriate to protect the interests of the University. The President of the University and Fiscal Officer are each authorized to execute and deliver, on behalf of the University and in their official capacities, such certificates in connection with the accuracy of the Official Statement or Informational Statement and any supplements to either as may, in their judgment, be necessary or appropriate.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981**

Resolution No. 81-80

*Synopsis: Authorization, issuance and sale of \$9,500,000 General Receipts Bonds, Series 1981, of The Ohio State University, pursuant to Trust Agreement dated as of June 1, 1971, is recommended.*

WHEREAS The Ohio State University (herein called the "University"), a state university of the State of Ohio created and existing under Chapter 3335 of the Ohio Revised Code, by

February 6, 1981 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981 (contd)**

resolution adopted by its Board of Trustees (herein called the "Board") May 7, 1971 (herein called the "General Bond Resolution") and by a Trust Agreement dated as of June 1, 1971 (herein called the "Trust Agreement"), comprised in part of the General Bond Resolution, has provided for the issuance from time to time of General Receipts Bonds of the University, with each such issue to be authorized by a Series Resolution adopted by the Board pursuant thereto; and

WHEREAS the General Bond Resolution was adopted and the Trust Agreement was authorized by the Board pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code, enacted by the General Assembly of Ohio under authority of the Constitution of Ohio, particularly Section 2(i) of Article VIII thereof, which authorize the University to issue its Bonds to pay costs of certain capital facilities, defined as "auxiliary facilities" in Section 3345.12 of the Ohio Revised Code and called "University Facilities" in the General Bond Resolution and in this Series 1981 Resolution, and to refund, fund or retire such Bonds or other obligations previously issued for such purpose; and

WHEREAS there is presently outstanding \$3,145,000 principal amount of General Receipts Bonds, Series 1971, heretofore issued and delivered pursuant to the Trust Agreement; and

WHEREAS the University has previously determined, and does hereby confirm, that it has been necessary to construct and equip certain vehicular parking facilities on the campus of the University, comprised of two multi-level parking structures and appurtenances known as the 9th Avenue Parking Ramp and the 11th Avenue Parking Ramp, with an aggregate capacity for the parking of approximately 1,740 motor vehicles, and that it is necessary to install smoke detector equipment in 11,113 living units of University and University Housing Commission dormitories and other University living quarters and in the common areas of 26 University and University Housing Commission dormitory buildings, such vehicular parking facilities and smoke detector equipment being University Facilities and herein called the "Project", the cost of which Project is estimated to be not less than \$9,500,000; and

WHEREAS the University previously determined, and does hereby confirm to borrow funds for the permanent financing of the costs of the Project, and for such purpose to issue its General Receipts Bonds at such time and in such principal amount as may be necessary for such purpose; and

WHEREAS the University heretofore determined that it was necessary to issue, prior to and in anticipation of permanent financing of the costs of the Project, \$9,500,000 of General Receipts Bond Anticipation Notes, Series 1979 (the "Series 1979 Notes") as provided in Resolution No. 80-58 adopted by the Board on November 30, 1979; and

WHEREAS the University heretofore determined that, for the purpose of refunding the Series 1979 Notes, it was necessary to issue \$9,500,000 of General Receipts Bond Anticipation Notes, Series 1980 (the "Outstanding Notes") as provided in Resolution No. 81-32 adopted by the Board on September 5, 1980, which Outstanding Notes mature April 1, 1981; and

February 6, 1981 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981 (contd)**

WHEREAS pursuant to the foregoing, the University has determined to issue, as the second issue of Bonds under the Trust Agreement, \$9,500,000 principal amount of General Receipts Bonds, to be designated General Receipts Bonds, Series 1981, to refund the Outstanding Notes, and desires to provide therefor by this Resolution of its Board;

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE OHIO STATE UNIVERSITY, AS FOLLOWS:

Section 1. DEFINITIONS AND INTERPRETATIONS. All words and terms defined in Section 1 of the General Bond Resolution and all interpretations therein provided shall have the same meanings, respectively, and be subject to the same interpretations as therein provided where used in this Resolution, unless the context or use clearly indicates another or different meaning or intent, except that this Resolution, together with the Certificate of Award provided for in Section 5 hereof, is sometimes herein called and may be known as the "Series 1981 Resolution", the Bonds authorized by this Resolution are referred to herein and in the Second Supplemental Trust Agreement hereby authorized as the "Series 1981 Bonds", and the terms "hereof", "hereby", "hereto", "herein", and "hereunder", and similar terms, mean this Resolution. As used in this Resolution, "Project", "Series 1979 Notes", and "Outstanding Notes", shall have the meanings provided for such terms in the preambles hereto.

Section 2. AUTHORITY. This Resolution is adopted pursuant to the General Bond Resolution, the Trust Agreement, and the Act.

Section 3. AUTHORIZATION, DESIGNATION AND PURPOSE OF SERIES 1981 BONDS. It is hereby declared to be necessary to, and the University shall, issue, sell and deliver, as provided and authorized herein, \$9,500,000 principal amount of General Receipts Bonds of the University which shall be designated "General Receipts Bonds, Series 1981", for the purpose of refunding the Outstanding Notes, issued to refund the Series 1979 Notes, issued for the purpose of paying the costs of the University Facilities that comprise the Project. For such purpose, the proceeds from the sale of the Series 1981 Bonds shall be allocated, deposited and applied as provided in Section 6 hereof.

Section 4. TERMS AND PROVISIONS APPLICABLE TO THE SERIES 1981 BONDS.

(a) FORM AND NUMBERING. The Series 1981 Bonds shall be issued initially in the form of coupon Bonds registrable as to principal only or of fully registered Bonds as requested by the Original Purchaser thereof, shall be exchangeable for Series 1981 Bonds in coupon form or fully registered form as provided in the Trust Agreement, and shall be numbered as determined by the Fiscal Officer.

(b) DENOMINATION AND DATES. The Series 1981 Bonds in coupon form shall be in the denomination of \$5,000 each, and shall be dated as of February 1, 1981. The Series 1981 Bonds in fully registered form shall be in the denomination of \$5,000 and any integral multiple thereof authorized by the Trust Agreement, and shall be dated as of the date of



**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981 (contd)**

Series 1981 Bonds in coupon form if authenticated prior to the first interest payment date, and otherwise shall be dated as of the last interest payment date preceding the date of their authentication except that if authenticated on an interest payment date they shall be dated as of such date of authentication; provided that if at the time of authentication, interest thereon is in default, they shall be dated as of the date to which interest has been paid. Each Series 1981 Bond shall have only one principal maturity date, except for interim certificates or receipts which may be issued pending preparation of definitive Bonds.

(c) INTEREST. The Series 1981 Bonds shall bear interest from their respective dates payable semi-annually on June 1 and December 1, beginning December 1, 1981, at the respective rates per annum set forth in the Certificate of Award provided for in Section 5 hereof.

(d) MATURITIES. The Series 1981 Bonds shall mature on December 1 in the years and in the principal amount set opposite the year as follows:

Year	Principal	Year	Principal
1981	\$475,000	1991	\$475,000
1982	475,000	1992	475,000
1983	475,000	1993	475,000
1984	475,000	1994	475,000
1985	475,000	1995	475,000
1986	475,000	1996	475,000
1987	475,000	1997	475,000
1988	475,000	1998	475,000
1989	475,000	1999	475,000
1990	475,000	2000	475,000

(e) REDEMPTION TERMS AND PRICES. The Series 1981 Bonds maturing prior to December 1, 1991, are not subject to redemption. The Series 1981 Bonds maturing on and after December 1, 1991, are subject to redemption at the option of the University prior to their stated maturities, in whole or in part, on December 1, 1990, or on any interest payment date thereafter at redemption prices equal to the following percentages of the principal amount redeemed plus in each case accrued interest to the date fixed for redemption:

If Redeemed	Redemption Prices
December 1, 1990 or June 1, 1991	103%
December 1, 1991 or June 1, 1992	102%
December 1, 1992 or June 1, 1993	101%
December 1, 1993 and thereafter	100%

If less than all of the outstanding Series 1981 Bonds are called for redemption at one time, they shall be called in inverse order of the maturities of the Series 1981 Bonds outstanding, and if less than all of the outstanding Series 1981 Bonds of one maturity are to be called, the selection of such Series 1981 Bonds, or portions of fully registered Bonds, of such

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**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981 (contd)**

maturity to be called shall be made by lot in the manner provided in the Trust Agreement. Notice of call for redemption of Series 1981 Bonds shall be given in the manner provided in the Trust Agreement.

(f) **PLACE OF PAYMENT AND PAYING AGENTS.** The Bond service charges, including principal, interest and any redemption premium, on the Series 1981 Bonds in coupon form, other than principal of or any redemption premium on coupon bonds registered as to principal other than to bearer, shall be payable at the principal corporate trust office of the Trustee, or, at the option of the holder at the principal corporate trust office of the Chemical Bank, New York, New York. The principal of and any redemption premium on fully registered Series 1981 Bonds and of Series 1981 coupon bonds registered as to principal (except to bearer) shall be payable at the principal corporate trust office of the Trustee and the interest on fully registered Series 1981 Bonds shall be payable by check or draft, as provided in the Trust Agreement.

(g) **EXECUTION.** The Series 1981 Bonds and the coupons pertaining thereto shall be executed in the manner provided in the General Bond Resolution.

**Section 5. SALE OF SERIES 1981 BONDS.**

(a) **GENERAL.** The Series 1981 Bonds shall be offered for sale, by advertisement, to the highest bidder based on the lowest interest cost determined as hereafter described, at such time, in such manner and on such terms as determined by the Fiscal Officer of the University, and may be awarded by the Fiscal Officer as provided in this Section.

(b) **NOTICE OF SALE AND OFFICIAL STATEMENT.** Notice of Sale of the Series 1981 Bonds, over the name of the Fiscal Officer on behalf of the University, shall be given in such manner determined by the Fiscal Officer, provided that such notice shall be published at least once, not less than ten calendar days before the date for receipt of bids, in *The Daily Bond Buyer* or the *Wall Street Journal*, or both. Such Notice of Sale shall set forth the terms pertaining to the bids and other terms and conditions of the sale of the Series 1981 Bonds as the Fiscal Officer shall determine, provided that the purchase price therefor as may be prescribed in the Notice of Sale shall be not less than par plus accrued interest and the highest single interest rate that may be bid may not exceed 10-1/2% or such lower rate as may be prescribed in the Notice of Sale. The Fiscal Officer may also cause to be prepared and printed and, together with the Chairman of this Board, shall sign an official statement of the University setting forth appropriate material information pertaining to the University and to the Series 1981 Bonds, in sufficient number for distribution to prospective bidders.

(c) **AWARD.** Unless all bids are rejected, the Fiscal Officer, acting on behalf of the University, shall award the Series 1981 Bonds to the highest bidder therefor based on the lowest interest cost to absolute maturity of the Series 1981 Bonds, such lowest interest cost to be determined by taking the aggregate amount of interest to the several maturity dates of the Series 1981 Bonds at the rate or rates specified and deducting therefrom the amount of the premium offered, if any. The cost of printing the Series 1981 Bonds shall not be considered

February 6, 1981 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981 (contd)**

in determining the lowest interest cost. Such award shall be made by a certificate of the Fiscal Officer, herein called the "Certificate of Award," which shall identify the successful bidder (called "Original Purchaser" in this Resolution and the Trust Agreement), the interest rate or rates, and state such other data or provisions as the Fiscal Officer determines consistent with this Resolution and the Trust Agreement. The Certificate of Award shall be incorporated in and form a part of the Supplemental Trust Agreement authorized by Section 9 hereof.

**Section 6. APPLICATION OF PROCEEDS OF SERIES 1981 BONDS.** All of the proceeds from the sale of the Series 1981 Bonds shall be received and receipted by the Fiscal Officer, and shall be allocated, deposited and applied as follows:

- (a) To the Bond Service Account in the General Receipts Bond Service Fund, the portion of such proceeds representing accrued interest and premium, if any; and
- (b) To the timely payment and discharge of the Outstanding Notes, the balance of the proceeds from the sale of the Series 1981 Bonds.

The Fiscal Officer is hereby directed to apply to the payment of interest due on the Outstanding Notes upon the date of their payment, such amounts as may be required therefor from funds of the University lawfully available therefor.

**Section 7. USE OF PROCEEDS.** The University hereby covenants that it will restrict the use of the proceeds of the Series 1981 Bonds in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of the delivery of and payment for such Bonds, so that the Series 1981 Bonds will not constitute arbitrage bonds under Section 103(c) of the Internal Revenue Code and the applicable income tax regulations under that Section. The Fiscal Officer or any other officer, including the Secretary of the Board, having responsibility for issuing the Series 1981 Bonds is authorized and directed, alone or in conjunction with any of the foregoing or with any other officer or employee of or consultant to the University, to give an appropriate certificate of the University, for inclusion in the transcript of proceedings for the Series 1981 Bonds, setting forth the reasonable expectations of the University on the date of delivery of and payment for the Series 1981 Bonds regarding the amount and use of the proceeds of the Series 1981 Bonds and the facts, estimates and circumstances on which they are based, pursuant to said Section 103(c) and the applicable income tax regulations thereunder. The Fiscal Officer shall furnish to the Original Purchaser a true transcript of proceedings, certified by him, of all proceedings had with reference to the issuance of the Series 1981 Bonds along with such information from the records as is necessary to determine the regularity and validity of the issuance of said Bonds.

**Section 8. FUNDING OF REQUIRED RESERVE.** In accordance with and consistent with clause (2)(i) of Section 7(b) of the General Bond Resolution, the portion of the Required Reserve necessitated by reason of the Series 1981 Bonds, based on the interest rates as set forth in the Certificate of Award, shall be funded as provided in this Section 8.

February 6, 1981 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF  
GENERAL RECEIPTS BONDS, SERIES 1981 (contd)**

At least five business days before each June 1 and December 1, commencing June 1, 1981, the University shall pay to the Trustee from the Bond Pledge Fund and, if necessary, from any other General Receipts of the University, to the credit of the Bond Service Reserve Account, at least one-tenth of such portion of the Required Reserve necessitated by reason of the Series 1981 Bonds. Such payments to the Trustees shall, subject to clause (2)(iii) of Section 7(b) of the General Bond Resolution, be made and continue at the times and in the amounts aforesaid until the aforesaid portion of the Required Reserve is fully funded.

Section 9. SECOND SUPPLEMENTAL TRUST AGREEMENT. The Chairman of the Board, the President of the University, the Secretary of the Board, and the Fiscal Officer, or any one or more of them, are authorized and directed to execute, acknowledge and deliver to the Trustee, in the name of and on behalf of the University, a Second Supplemental Trust Agreement pursuant to the Trust Agreement and in connection with the issuance of the Series 1981 Bonds, in substantially the form submitted to this Board with such changes therein not substantially adverse to the University as may be permitted by the Act and the Trust Agreement or this Resolution and approved by the officer or officers executing the same on behalf of the University. The approval of such changes, and that such changes are not substantially adverse to the University, shall be conclusively evidenced by the execution of the Second Supplemental Trust Agreement by such officer or officers.

Section 10. OPEN MEETING. It is found and determined that all formal actions of this Board and of any of its committees concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board, and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**METHOD OF REFUNDING THE OHIO STATE UNIVERSITY  
GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980**

Resolution 81-81

*Synopsis: Authorization to determine the method of refunding The Ohio State University General Receipts Bond Anticipation Notes, Series 1980, is recommended.*

WHEREAS the Board of Trustees (the "Board") of The Ohio State University (the "University") has adopted on this date Resolution No. 81-79 providing for the issuance and sale of \$9,500,000 The Ohio State University General Receipts Bond Anticipation Notes, Series 1981 (the "Series 1981 Notes") to refund the \$9,500,000 The Ohio State University General Receipts Bond Anticipation Notes, Series 1980 (the "Series 1980 Notes") which mature on April 1, 1981; and

February 6, 1981 meeting, Board of Trustees

**METHOD OF REFUNDING THE OHIO STATE UNIVERSITY  
GENERAL RECEIPTS BOND ANTICIPATION NOTES, SERIES 1980 (contd)**

WHEREAS the Board has adopted on this date Resolution No. 81-80 providing for the authorization, issuance and sale of \$9,500,000 The Ohio State University General Receipts Bonds, Series 1981 (the "Series 1981 Bonds") to refund the Series 1980 Notes; and

WHEREAS the Board does not intend to issue both the Series 1981 Notes and the Series 1981 Bonds, but rather one or the other; and

WHEREAS because of uncertain market conditions affecting the sale of debt obligations of the University the Board desires to have the flexibility to take advantage in its method of refunding the Series 1980 Notes of the most favorable market conditions prevailing at the time of such refunding;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD, THAT:

Section 1. The Vice President for Business and Administration is hereby authorized and directed to determine whether the University will issue General Receipts Bond Anticipation Notes pursuant to Resolution No. 81-79 or General Receipts Bonds pursuant to Resolution No. 81-80 to refund the Series 1980 Notes, giving due consideration to such factors as interest rates and other market factors connected with the sale of debt obligations of the University, and the time of need of note or bond proceeds.

Section 2. It is found and determined that all formal actions of this Board and of any of its committees concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board, and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-82

RESOLVED, That the report on the University's Investment Portfolio, dated January 16, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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February 6, 1981 meeting, Board of Trustees

### STATEMENT - MINORITY CONCERNS

Mr. Devenow:

Before I give the Reports, Dr. Hale has sent me a note here which reads as follows: 'As the Vice Provost in charge of minority affairs, please allow me 3-5 minutes to express the minority faculty concern as regards the Presidential Search Committee. I am aware that the Steering Committee is currently dealing with the matter.' Dr. Hale, under the rules, the Board must be notified 72 hours in advance of any statement you would like to make and I am going to waive that rule, and if you can, please confine it to no more than five minutes, sir.

Dr. Hale:

Thank you kindly. I would like to thank the members of the Board for this opportunity. Things have been happening rather swiftly with respect to the Selection Committee. Some of us were not fully aware of the process when it began or what the involvement was with respect to the governance and participation.

The Office of Minority Affairs Advisory Council and Minority Affairs Coordinating Council, made up of a limited number of representatives from the various minority programs throughout the University, have expressed concern that with respect to the designation of the committee, has placed nominees as presented by the Steering Committee, does not properly represent the constituencies of the University as a whole. We fully are aware of the fact that there are a variety of constituencies throughout the University and obviously it would be difficult to have some kind of representative from each of those particular groups. Our concern is that any President coming to this particular University would have laid at his doorstep various outstanding members of academic programs and those academic programs, many of them, would impact on minority presence at this institution and student attention at this institution. I think many of us are fully aware of the inadequate background of these numbers of these persons who have come to us as underachievers, unemployed, and many of them unemployable, and we certainly want to do what we can to be able to feed into that committee and to those candidates who will be coming what our concerns might very well be.

We certainly do not accuse the committee or anyone else of trying to overlook the concerns of minorities. We fully recognize that there are two minority persons who sit on that committee now constituted: a minority student, who happens to be a minority student representing the Council of Graduate Students and also a non-teaching employee. We think it's very important that we have representation there that reflects the cultural experiences and emotional experiences of those minority faculty who have had to deal with minority issues and students and programs and personnel on this campus and who will continue to do so. We do not feel that there are necessarily intended insensitivities on the part of others who would be there, but we know full well that those of us who sit in official capacity, and even those who do not sit in any official minority capacity, as minority faculty members are constantly being inundated with those minority students who are coming and going from time to time to express their interest.

February 6, 1981 meeting, Board of Trustees

**STATEMENT - MINORITY CONCERNS (contd)**

Dr. Hale: (contd)

So, we are asking you to give whatever thrust and meaning to what we have been talking about in the last ten years at this institution in terms of affirmative action. Almost any administrative committee and any number of committees that are appointed from time to time do keep that particular factor in mind; that is, the importance of minority presence. We have diversity as far as the academic is concerned. But the fact of the matter is there are so many social/political implications and sensitivities dealing with minority persons on this campus that we want full well that those candidates who come to this campus will have some opportunity to talk with minority faculty who are dealing once again, I say, with those problems affecting minority students, minority programs, and minority faculty. Thank you very much.

Mr. Devenow: Thank you, Dr. Hale.

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**HISTORY OF ENARSON YEARS AS PRESIDENT**

Resolution No. 81-83

*Synopsis: Authorization for preparation of History of Enarson Years as President is being requested.*

WHEREAS it has been traditional that a history of the years an individual spends as President of the University is prepared upon the resignation of that President; and

WHEREAS President Harold L. Enarson has indicated his intention to resign from the Presidency on August 31, 1981:

NOW THEREFORE

BE IT RESOLVED, That the Secretary of the Board of Trustees be authorized to engage the services of a notable historian to prepare a History of the Enarson Years at an appropriate time, and that the Fiscal Affairs Committee of the Board of Trustees authorizes the expenditure from the unrestricted gifts to the University Endowment Fund of an amount sufficient to finance this project.

Upon motion of Dr. Jacob, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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February 6, 1981 meeting, Board of Trustees

**PORTRAIT OF HAROLD L. ENARSON**

Resolution No. 81-84

*Synopsis: Authorization for portrait of President Harold L. Enarson.*

WHEREAS it has been traditional that an oil portrait of the President of the University is presented for appropriate display by the University at the time said President relinquishes his office; and

WHEREAS President Harold L. Enarson has indicated his intention to resign from the Presidency on August 31, 1981:

NOW THEREFORE

BE IT RESOLVED, That the Secretary of the Board be authorized to commission an outstanding portrait painter to paint a portrait of Harold L. Enarson and that the Fiscal Affairs Committee of the Board of Trustees authorizes the expenditure from the unrestricted gifts to the University Endowment Fund to be used to finance this project.

Upon motion of Mr. Immke, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - THE FIESTA BOWL TRIP TO TEMPE, ARIZONA**

Mr. Devenow made the following statement:

I would like to take this opportunity to mention Ohio State's recent trip to the Fiesta Bowl in Tempe, Arizona, and to express the Board's deep appreciation to two of our people who are deserving of recognition for their efforts following an incident at the Phoenix airport on December 29. For those who are unaware of what happened, I will relate the circumstances of that afternoon.

While the charter airplane carrying members of Ohio State's Alumni Tour including the University's official party was taxiing to the runway for takeoff, a malfunction occurred in one of the plane's systems which caused the flight to be aborted and necessitated that the 238 passengers evacuate via the emergency chutes. During this evacuation, several of our people received minor injuries and two of our administrators received more serious injuries resulting in their hospitalization in Phoenix.

During and immediately following the evacuation there was much apprehension by those involved. While many people were of great help in calming the passengers and assisting those who received injuries, I would like to publicly thank Dr. Henry Cramblett and Dan Heinlen for their diligent efforts and sincere concern.



February 6, 1981 meeting, Board of Trustees

### REPORT - THE FIESTA BOWL TRIP TO TEMPE, ARIZONA (contd)

Mr. Devenow: (contd)

First of all, I cannot say enough about Dr. Cramblett who came to the aid of the most seriously hurt and stuck by them assuring that they received proper medical attention to their injuries. As it turned out, this was not a simple task to accomplish and Dr. Cramblett subsequently filed a report in Phoenix delineating the frustration he felt in trying to get prompt emergency care for the injured. I would like to thank him not only for his concern and untiring efforts throughout the night of December 29 and the following morning, but for his courage in speaking out to the Phoenix authorities about this confusing situation.

Secondly, I want to thank Dan Heinlen for his efforts in assisting the injured, and in making certain the tour group was as comfortable and well taken care of as possible following this upsetting incident.

To both of these gentlemen, as well as to the numerous others who assisted, we are most grateful. I am most grateful that there was no loss of life. The spirit of concern and caring shown by all aboard the charter was a source of real pride for me. Once again I'm proud of this University and of the people who serve and support it.

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### BUDGET - PRESIDENT ENARSON

President Enarson:

I have one item I would like to report, and I won't take but a couple of minutes; I know that you don't like to be surprised, although I don't think this item will surprise you. The *OSU Monthly* is out, and it has, 'President speaks against budget cuts,' and I wouldn't want you to be surprised that I am hostile to those budget cuts, but I am always charitable to the Governor, so I say things like, 'Many of the Governor's initiatives deserve our support,' which kind of means they don't all deserve our support, then I go on, as you would expect, to say, 'We are asked to do more and do it with less money'; you've heard that before. 'We are expected to launch no new initiatives to expand or to improve service. We are asked to fund existing programs with less real dollars,' and then I go on to talk about the impact of inflation. Well, let me break the suspense here and tell you that the issue is February, 1973--eight years ago--and the name of the Governor was Gilligan. Governors don't change, legislatures don't change, and I don't change, and the dollar support continues to go down.

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February 6, 1981 meeting, Board of Trustees

## STATUS REPORT ON THE PRESIDENTIAL SEARCH COMMITTEE

Mr. Havens:

Mr. Chairman, members of the Board: I would like at this time to read a brief statement which highlights the work of the Search Committee on Selection of a President.

At the outset, I should like to report that the committee is off to a great beginning. To date we have had two meetings, and I am pleased to tell you that in each case an overwhelming majority of the committee members were in attendance. Although our first meeting was devoted primarily to organizational details and an introduction to the search process, there was a general sense on the part of all that the work of this committee was to be taken seriously with no lost motion in our efforts.

An outline of plans for future meetings was developed, and I should like to comment briefly about them. It was agreed that in order to ensure the widest possible search, the committee should make every effort to contact persons in higher education, including presidents of major graduate/research institutions, as well as members of various interested associations such as--to name a few--past and present officers of the OSU Alumni Association, the Development Fund Board, editors of the major Ohio dailies, prominent community leaders, as well as others. These persons have been invited to present their views concerning the needs and directions of The Ohio State University over the next ten years. They were also asked to present suggestions regarding persons who might be considered for the presidency. In this regard, I am pleased to report that more than 200 letters have been mailed to date.

I should also like to report that in our second meeting, considerable effort and discussion were devoted to the review and development of 'Guidelines for the Selection of a President.' Such guidelines, as you know, are a customary part of any presidential search process. You might be interested in knowing that during the past week the committee made an extraordinary effort to develop such a statement for our search. I hope you will agree with me that the statement is superbly done and reflects great credit on the part of the entire committee--but most specifically on the efforts of Professor of English John Gabel who provided the coordinative leadership to put the statement in final form. At this time I would like to share with members of the Board a copy of the 'Guidelines for the Selection of a President of The Ohio State University.' (See following page)

Mr. Chairman, I would conclude by noting that we have set an ambitious schedule for ourselves, but I am persuaded that we can get the job done consistent with the mandate of the Trustees. The next meeting of the committee will be held tomorrow morning at 9:00 here at the Fawcett Center for Tomorrow.

**GUIDELINES FOR THE SELECTION OF A PRESIDENT  
OF THE OHIO STATE UNIVERSITY**

**I. General Qualities Desirable in the President of the University**

- An understanding of the role and function (both historic and potential) of higher education in general and of this large, multi-campus, land-grant university in particular
- The ability to provide leadership in a system of highly diffuse authority and across a wide range of constituent elements, including students, staff, faculty, Board of Trustees, alumni, and the greater University community
- The ability to administer the ongoing work of the University, both directly and through the delegation of powers to an effective administrative staff
- A commitment to maintaining a strong faculty and a recognition of the centrality in any great university of excellent teaching, research, and scholarship
- A genuine openness to the interests and needs of the University students
- A commitment to work in behalf of women and minority groups within the University in their efforts to achieve equality of opportunity and of reward for merit
- An appreciation of the complexity of the non-academic functions served by the University within its local area and the State of Ohio
- The ability to represent effectively and vigorously the University's interests to such official parties and bodies as the Governor, the State Legislature, the Ohio Board of Regents, and federal regulatory agencies and to undertake the duty of fund raising from both public and private sources

**II. Personal and Professional Qualifications for Presidential Candidates**

- An outstanding record of administrative accomplishment, preferably at a high level in a major educational institution or in a leading research, governmental, or business organization
- A national reputation for accomplishment in a given field and the formal academic preparation and experience required for appointment to a full professorship
- A Ph.D. degree or the equivalent
- Experience in working effectively with students both inside and outside the classroom
- Knowledge in depth of the duties of a university professor and experience in dealing with faculty concerns
- Experience in handling the employment concerns of the support staff of an educational, research, or business organization
- Freedom from associations or personal interests which might conflict with the performance of university duties
- Vigor of mind and body and a genuine enthusiasm for meeting the many and great demands of this exacting position

(It is not expected that any one candidate will possess all of the above qualifications in equal proportion. Candidates may indeed lack one or another of the qualifications but nevertheless be worthy of consideration by virtue of particular strength in other areas.)

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February 6, 1981 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, March 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-SIXTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 6, 1981

The Board of Trustees met at its regular monthly meeting on Friday, March 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, and Edmund C. Redman.

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Minutes of the last meeting were approved.

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March 6, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues.

Present: Chester Devenow, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, and Edmund C. Redman.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### RESOLUTIONS IN MEMORIAM

Resolution No. 81-85

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

#### Gwendoline Bellam

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 22, 1980, of Gwendoline Bellam, Associate Professor Emeritus in the School of Nursing.

Professor Bellam was born on October 31, 1912, in South Wales, Great Britain. Her parents emigrated to this country when she and her sister Constance were children. They made their home in Connecticut and became United States citizens.

The Depression Years of the early 1930's saw Professor Bellam graduating from high school and enrolling in the Greenwich Hospital School of Nursing from which she received a diploma in 1935. Upon graduation she initially served as Assistant Head Nurse on the pediatric unit of the hospital. Following a four-months' certificate program at Babies Hospital, a component of the Columbia-Presbyterian Medical Center in New York City, she returned to the position of Supervisor and Instructor of pediatric nursing at Greenwich, continuing there until 1942.

Just prior to four years of service in the United States Army Nurse Corps during World War II, she worked under the auspices of the American Red Cross as a Staff Nurse on a surgical and orthopedic unit of the American Hospital in Headington, England. Professor Bellam was discharged from the Army as a Captain, having seen service with the 1st General Hospital Unit in both the European and African Theaters of War.



March 6, 1981 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Gwendoline Bellam (contd)

Following the war, all of her positions were instructional and all related to the nursing care of children, who were clearly her first love. In 1949 and 1958, respectively, she obtained bachelor's and master's degrees from Teachers College, Columbia University in programs that prepared for teaching pediatric nursing. After completing her baccalaureate studies, she served as a postgraduate Clinical Instructor at Children's Memorial Hospital in Chicago until the Spring of 1951. This experience was followed by five years as an Instructor at the School of Nursing of the Massachusetts General Hospital in Boston.

Having attained her master's degree in 1958, she joined the faculty of the Syracuse University School of Nursing and continued there for the two years just prior to joining the faculty of The Ohio State University as an Assistant Professor in 1960. Professor Bellam was promoted to the rank of Associate Professor and accorded tenure on this faculty in 1966.

For the first eight years that she was on the School of Nursing's faculty, she taught the nursing of children to undergraduate students and supervised their clinical practice at Children's Hospital, Columbus.

Professor Bellam shared her knowledge of children and their care through articles published in several nursing journals, through the presentation of numerous papers, and by participating in continuing education and in-service programs. She was active at the local and state levels in forwarding the work of the National League for Nursing, the American Nurses' Association, and the American Association of Maternal/Child Health. Various committees of the School of Nursing, the College of Medicine, and the University benefitted from her informed, responsible membership.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

George Nichol Moffat

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 28, 1981, of George N. Moffat, Professor Emeritus, Department of Mechanical Engineering.

Born April 13, 1893, in St. Paul, Minnesota, he graduated from the University of Minnesota in 1918 with a Bachelor of Science in Mechanical Engineering. He was awarded the professional degree of Mechanical Engineer by the University of Minnesota in 1919, for which his thesis was research on Nickel-Chrome-Molybdenum Steels.

He was Engineer-of-Tests with the U. S. Ordnance Corps in 1918 and part of 1919. He then became Experimental Engineer with the Harrison Radiator Corporation in Lockport, New York.

March 6, 1981 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

George Nichol Moffat (contd)

When George Moffat came to The Ohio State University as Instructor in Mechanical Engineering in 1923, the College of Engineering was under the leadership of Dean Hitchcock and the Department Chairman was William T. Magruder.

As he progressed through the academic ranks to full professorship, George Moffat served as consultant to many companies in the Columbus area and elsewhere, including the Seagrave Company, the Koppers Koke Company, the E. F. Houghton Company and Battelle Memorial Institute. His publications include the topics of heat treatment of malleable iron and the development of V-belts. He was granted the Professor Emeritus title when he retired in 1962.

As a registered Professional Engineer, he worked with the Industrial Commission of Ohio on the Boiler Test Code and was a member of a committee for Army Ordnance Specifications and Testing and in the training of inspection personnel during World War II.

George Moffat held numerous offices in the American Society for Metals, including that of Chairman of the local section. He was elected an honorary member of the National Association of Power Engineers and was a member of Sigma Xi.

Perhaps above all, there are many of us who remember him as both teacher and friend. We were fortunate to have known him as both, and we will continue to remember him.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

William Crawford Slater

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 16, 1981, of William C. Slater, Assistant Professor in the Department of Botany at the Newark Campus.

Professor Slater received his Bachelor of Arts degree in 1949 from Denison University and his Master of Science degree in botany from Ohio University in 1971.

Professor Slater joined the faculty at the Newark Campus in 1967, first as a Teaching Associate and then as an Instructor. He was promoted to the rank of Assistant Professor in 1974. Professor Slater went on half time in 1977 because of a severe cardiac problem and underwent a series of hospitalizations that continued until his death. He did, however, return to full-time teaching in 1980.

Professor Slater's work concentrated on teaching botany and biology and, as such, was a popular instructor, known for his humor and his ability to explain the subject matter. Most importantly, he established rapport with his students, identified with them and helped them in resolving their problems.

March 6, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

William Crawford Slater (contd)

Professor Slater was the curator of Biological Reserve at Denison University for a number of years and as such made a substantial contribution to the preservation and knowledge of wild life in the Central Ohio region. He took a keen interest in the work of that Reserve despite his ailing health.

Professor Slater had an active role in the development of the Newark Campus, serving in a number of important faculty posts, most notably Faculty Council President and Ombudsman. He also aided the early development of the Central Ohio Technical College at the Newark Campus by providing instruction in basic science. His contacts with the local people and their ways and his ability to translate local attitudes to the OSU Newark community were a special contribution. He was widely known among all circles on the Newark Campus and was genuinely respected and appreciated by all. He will be sorely missed as a colleague and a friend.

William Slater was recently in the early stages in a promising research project concerning the possible inheritance of alcoholism and as such, had contributed a paper at an international conference on alcoholism at Bath, England, in 1980. He was in demand as a speaker among specialists in this area. He was on his way to continue his research at the time of his fatal attack.

Professor Slater was a unique colleague whose positive attitude, sense of humor, joy of life and ability to lead a full academic career despite health problems was an inspiration to others.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**AMENDMENTS TO RULES 3335-5-46, 3335-5-47, 3335-5-52,  
3335-9-14 OF THE RULES OF THE UNIVERSITY FACULTY**

Resolution No. 81-86

*Synopsis: Changes in the Rules of the University Faculty are proposed.*

WHEREAS the University Senate, pursuant to rule 3335-1-09 of the Administrative Code, is authorized to recommend through the President to the Board of Trustees the adoption of amendments to the *Rules of the University Faculty* as approved by the University Senate:

3335-5-46 Senate committees and 3335-5-47 Committees.

There is no mechanism currently provided for replacement of inactive members of committees or those unavailable for committee service, and there is no provision for alternates to be available for committee service. The university senate elects committee membership upon nomination by designated sources.

March 6, 1981 meeting, Board of Trustees

**AMENDMENTS TO RULES 3335-5-46, 3335-5-47, 3335-5-52,  
3335-9-14 OF THE RULES OF THE UNIVERSITY FACULTY (contd)**

3335-5-52 Council on admission and registration.

The wording as previously approved which designates membership to be elected by the senate is redundant. The appropriate channel for reports, other than those made through the senate, is through the vice president for educational services rather than the vice president for business and administration.

3335-9-14 Time of registration and payment of fees; penalties.

Specific fee payment deadlines are established and flexibility is needed to establish the deadline on a quarter-by-quarter basis.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to *Rules of the University Faculty*, as approved by the University Senate on February 14, 1981, be adopted by the Board of Trustees for inclusion in the next publication of this document.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**RULES**

3335-5-46 Senate committees.

(F) Committee vacancy: the chairman will report vacancies to the appropriate nominating source. For the purpose of this rule, a vacancy exists when an elected member is on leave of absence or fails to meet the participation requirements defined by the committee.

(L) The steering committee shall have the following duties and responsibilities:

(3) The steering committee shall, at the beginning of each year or as vacancies may occur, nominate candidates for election by the senate to membership on those committees for which other means of nomination are not specified in the rules.

3335-5-47 Committees.

(B) The chairman will report vacancies to the appropriate nominating source. For the purpose of this rule, a vacancy exists when an elected member is on leave of absence or otherwise fails to meet the participation requirements defined by the committee.

3335-5-52 Council on admission and registration.

(A) The council on admission and registration shall consist of seventeen members chosen as follows:

March 6, 1981 meeting, Board of Trustees

**AMENDMENTS TO RULES 3335-5-46, 3335-5-47, 3335-5-52,  
3335-9-14 OF THE RULES OF THE UNIVERSITY FACULTY (contd)**

**RULES (contd)**

- (3) Members elected by the senate: six faculty, at least three of whom shall be senate members; two undergraduate students; two graduate students; and one professional student.
- (C) Reports by this council to the president, other than those made through the university senate, shall be made through the vice president for educational services.

3335-9-14 Time of registration and payment of fees; penalties.

- (A) Payment of fees is required of all students each quarter by the close of business on the date established by the vice president for educational services in cooperation with the appropriate offices, and published by the office of registration services. This fee payment deadline will apply to the postmark date for fees paid by mail and to the date of receipt for fees paid in person. Failure to meet this requirement will result in a penalty assessment, unless excused by the assistant vice president for registration services or designee.

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**TRANSFER OF ADMINISTRATIVE RESPONSIBILITY AND CHANGE  
NAME OF OFFICE FOR THE PHYSICALLY IMPAIRED**

Resolution No. 81-87

*Synopsis: Recommendation is made to transfer administrative responsibility for the Office for the Physically Impaired, to change the name of that unit, and to make the appropriate Administrative Code amendments to reflect the transfer and the name change.*

WHEREAS the Office for the Physically Impaired has been under the jurisdiction of the Vice President for Personnel Services; and

WHEREAS administrative authority for this office has been transferred to the Vice President for Student Services; and

WHEREAS the services performed by this office have been expanded to serve, among others, those members of the University community with learning disabilities; and

WHEREAS the current name of the Office for the Physically Impaired does not reflect adequately the full scope of the services now provided:

**NOW THEREFORE**

**BE IT RESOLVED**, That pursuant to paragraph (A) of rule 3335-1-09 of the Administrative Code and upon the recommendation of the Vice President for Student Services, the Office for the Physically Impaired is redesignated as the Office for Disability Services; and

March 6, 1981 meeting, Board of Trustees

**TRANSFER OF ADMINISTRATIVE RESPONSIBILITY AND CHANGE  
NAME OF OFFICE FOR THE PHYSICALLY IMPAIRED (contd)**

BE IT FURTHER RESOLVED, That the Office for the Physically Impaired be deleted from paragraph (N) of rule 3335-1-03 and paragraph (B) of rule 3335-3-14, and Director of the Office for the Physically Impaired be deleted from paragraph (C) of rule 3335-3-14 of the Administrative Code; and

BE IT FURTHER RESOLVED, That the Office for Disability Services be added to paragraph (I) of rule 3335-1-03 and paragraph (B) of rule 3335-3-09, and Director of the Office for Disability Services be added to paragraph (C) of rule 3335-3-09 of the Administrative Code.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**RULES**

3335-1-03 Administration of the university.

- (I) Vice president for student services. The major area of responsibility and authority of the vice president for student services shall be that of student services at the university. Without limiting the generality of the foregoing, the vice president for student services shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the promulgation of rules governing student conduct both on and off campus; the coordination of student extracurricular activities including all student (or student-connected) organizations; and the administration of all residence and dining hall facilities; nonacademic student discipline; the student health service including primary responsibility for university-wide environmental health and safety; university union facilities and programs; student athletic programs including intercollegiate athletics, recreation and intramural programs; counseling; office for disability services; student financial aids and scholarships; off-campus student housing; and international student programs.
  
- (N) Vice president for personnel services. The major area of responsibility and authority of the vice president for personnel services shall be that of the administration of the personnel services of the university. Without limiting the generality of the foregoing, the vice president for personnel services shall, under the direction of the president and subject to the approval of the board of trustees, be responsible and have the requisite authority for: benefits administration which includes the various insurance programs for the faculty, staff, and students; classification administration including determining which employees and positions are to be in the unclassified and classified service; professional employment services; staff employment services; employee relations, including negotiating with the labor unions; personnel research and information; compensation administration; payroll; and the child care program. In addition to the above the vice president for personnel services, along with other members of the staff designated by the president, shall provide such assistance as may be deemed appropriate for the implementation of programs related to affirmative action at the university.

March 6, 1981 meeting, Board of Trustees

**TRANSFER OF ADMINISTRATIVE RESPONSIBILITY AND CHANGE  
NAME OF OFFICE FOR THE PHYSICALLY IMPAIRED (contd)**

**RULES (contd)**

**3335-3-09 Vice president for student services.**

- (B) The major area of responsibility and authority of the vice president for student services shall be that of student services at the university. Without limiting the generality of the foregoing, the vice president for student services shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the promulgation of rules governing student conduct both on and off campus; the coordination of student extra-curricular activities including all student (or student-connected) organizations; and the administration of all residence and dining hall facilities; nonacademic student discipline; the student health service including primary responsibility for university-wide environmental health and safety; university union facilities and programs; student athletic programs including intercollegiate athletics, recreation and intramural programs; counseling; office for disability services; student financial aids and scholarships; off-campus student housing; and international student programs.
- (C) The principal administrative officials of the office of student services shall be the assistant vice president(s), the dean of student life, the director of counseling and consultation services, the director of the university health services, the director of Ohio/Drake unions, the director of student financial aids, the director of athletics, the director of residence and dining halls, the director of recreation and intramural sports, the director of office for disability services, the director of international student and scholar services, and such other associates as may be authorized from time to time. {B/T 7/11/68, B/T 9/10/70, B/T 12/3/71, B/T 10/5/73, B/T 4/6/79, B/T 1/10/80, B/T 3/6/81}

**3335-3-14 Vice president for personnel services.**

- (B) The major area of responsibility and authority of the vice president for personnel services shall be that of the administration of the personnel services of the university. Without limiting the generality of the foregoing, the vice president for personnel services shall, under the direction of the president and subject to the approval of the board of trustees, be responsible and have the requisite authority for: benefits administration which includes the various insurance programs for the faculty, staff, and students; classification administration including determining which employees and positions are to be in the unclassified and classified service; professional employment services; staff employment services; employee relations, including negotiating with the labor unions; personnel research and information; compensation administration; payroll; and the child care program. In addition to the above the vice president for personnel services, along with other members of the staff designated by the president, shall provide such assistance as may be deemed appropriate for the implementation of programs related to affirmative action at the university.

March 6, 1981 meeting, Board of Trustees

**TRANSFER OF ADMINISTRATIVE RESPONSIBILITY AND CHANGE  
NAME OF OFFICE FOR THE PHYSICALLY IMPAIRED (contd)**

**RULES (contd)**

- (C) The principal administrative officials of the office of personnel services shall include the assistant vice president; director of employment services; director of staff relations; director of compensation services; director of benefits administration; director of personnel systems and research; director of classification services; director of the child care center; and such other associates as may be authorized from time to time. (B/T 9/5/75, B/T 7/21/78, B/T 3/6/81)

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**NAMING OF BUILDING**

Resolution No. 81-88

*Synopsis: Naming of Metallurgical Engineering Building is proposed.*

WHEREAS pursuant to the authority of this Board in naming of all buildings at The Ohio State University as set forth in paragraph (G) of rule 3335-1-08 of the Administrative Code; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the Metallurgical Engineering Building, located at 116 West Nineteenth Avenue, be named Mars G. Fontana Laboratories to honor Mars G. Fontana, who served as Chairman of the Department of Metallurgical Engineering from 1948 to 1975:

NOW THEREFORE

BE IT RESOLVED, That the Metallurgical Engineering Building be named the Mars G. Fontana Laboratories in accordance with the President's recommendation.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT**

Resolution No. 81-89

*Synopsis: Approval is being requested for awarding degrees and certificates for Winter Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and



March 6, 1981 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT (contd)**

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on March 20, 1981, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Dr. Jacob, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-90

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the February 6, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles as detailed in the University Budget for 1980-81, be approved.

**Appointments**

Name: PATRIC H. HENDERSHOTT  
Title: Professor (John W. Galbreath Chair in Real Estate)  
Academic Faculty: Finance  
Salary: \$60,000.00 (9-month)  
Effective: January 1, 1982  
Present Position: Professor of Economics and Finance, Krannert Graduate School of Management at Purdue University

NAME: LEE C. NEHRT  
Title: Professor (Owens-Illinois Professor in International Business)  
Academic Faculty: Management Sciences  
Salary: \$50,000.00 (9-month)  
Effective: December 1, 1981  
Present Position: Director, World Trade Institute, New York World Trade Center

March 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff Appointments

Effective January 14, 1981

Name	Appointment	Clinical Division
Christopher E. Desch, M.D.	Limited Staff in General Medicine	Medicine
John D. Bullock, M.D.	Courtesy Staff	Ophthalmology
Roderick Lee Fuller, D.P.M.	Courtesy Staff in General Surgery	Surgery
Gerald Steiman, M.D.	Transfer from Attending to Courtesy Staff	Pediatrics
Jane Roach, M.D.	Transfer from Limited to Courtesy Staff	Pediatrics
Joseph Kutsko, M.D.	Limited Staff	Family Medicine
Marian P. Droba, M.D.	Limited Staff	Family Medicine
Jeanne M. Vinsel, M.D.	Limited Staff	Family Medicine
Jura Adams, M.D.	Limited Staff in General Psychiatry	Psychiatry
Victoria Hsia Chang, M.D.	Limited Staff in Diagnostic Radiology	Radiology

Effective February 11, 1981

Elliot Davidoff, M.D.	Courtesy Staff	Ophthalmology
David P. Poindexter, M.D.	Transfer from Limited Staff to Attending Staff	Physical Medicine and Rehabilitation
David F. Mitchell, M.D.	Transfer from Limited Staff to Attending Staff	Physical Medicine and Rehabilitation
Timothy B. Moritz, M.D.	Limited Staff in Child Psychiatry	Psychiatry
Zehra Salim Kaka, M.D.	Limited Staff in Therapeutic Radiology	Radiology
Roger Jay Masser, D.P.M.	Courtesy Staff in General Surgery	Surgery

Leaves of Absence Without Salary

HARVEY FRIEDMAN, Professor, Department of Mathematics, effective April 1, 1981 through June 30, 1981, to serve as a visiting professor at Pennsylvania State University.

WILLIAM E. HALL, Professor, School of Journalism, effective October 1, 1981 through June 30, 1982, to serve as a visiting professor at the University of Hawaii.

March 6, 1981 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

WILLIAM MOLNAR, Professor, Department of Radiology, effective January 1, 1981 through March 14, 1981, for personal reasons.

GIACOMO SANI, Professor, Department of Political Science, effective April 1, 1981 through June 30, 1981, to continue research in Italy and enhance his contribution to the international thrust of the department and the University.

MARY EVELYN MCGANN, Assistant Professor, Department of English, effective February 17, 1981 through March 20, 1981, for personal reasons.

LORRI A. PORCELLO, Assistant Professor, Cooperative Extension Service and Department of Human Nutrition and Food Management, effective July 1, 1981 through December 31, 1981, to serve one-half time appointment with the Ohio Agricultural Research and Development Center.

#### Professional Improvement Leave

STUART COLLINS, JR., Professor, Department of Electrical Engineering, effective Spring Quarter 1981 and Summer Quarter 1981.

#### Emeritus Titles

FRED E. DEATHERAGE, Department of Biochemistry, with the title Professor Emeritus, effective April 1, 1981.

W. JAMES HARPER, Department of Food Science and Nutrition, with the title Professor Emeritus, effective April 1, 1981.

VIRGIL HINSHAW, JR., Department of Philosophy, with the title Professor Emeritus, effective July 1, 1981.

ANITA R. MCCORMICK, Cooperative Extension Service, with the title Professor Emeritus, effective February 28, 1981.

FRANCIS W. MCCOY, Department of Medicine, with the title Professor Emeritus, effective February 1, 1981.

EDWARD C. MCDONAGH, Department of Sociology, with the title Professor Emeritus, effective April 1, 1981.

JAMES C. HARRIS, Department of Physics, with the title Associate Professor Emeritus (awarded posthumously), effective April 1, 1981.

LOIS A. HUNGATE, Department of Agricultural Economics and Rural Sociology, with the title Associate Professor Emeritus, effective March 1, 1981.

March 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

MARTHA N. STRATTON, College of Administrative Science - Support Services, with the title Instructor Emeritus, effective October 1, 1980.

ROBERT C. RINGER, Office of Personnel Services, with the title Associate to Vice President for Personnel Services Emeritus, effective March 1, 1981.

Upon motion of Mr. Redman, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-91

*Synopsis: The reports on contracts, grants, and gifts and the summary for January are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of January 1981, be approved.

Upon motion of Dr. Jacob, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JANUARY 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	77	\$9,820,800.00
Engineering Experiment Station	20	39,861.00
		\$9,860,661.00
The Ohio State University Development Fund	Gifts	
October	4,831	\$ 999,046.91
November	2,661	572,015.31
December	11,050	3,315,762.61

**Establishment of Named Funds**

The Milton Caniff Research Room Fund (Caniff Research Room)	\$ 16,345.23
College of Veterinary Medicine Alumni Scholarship Fund (Veterinary Medicine scholarships and fellowships)	\$ 5,000.00

**Report from Presidents Club**

Members to date	4,460
1981: year to date	17
New members - January 1981	17

**New Presidents Club Members - January 1981**

Arthur D. Bartell	Ted L. Ramirez
Kevin M. Davis	Nancy B. Ross (Mrs. James P.)
Robert H. Herbst	Nancy O. Steinberger (Mrs. Richard L.)
John Howard	Gregory A. Tomlin
Steven J. Levine	Kay Diane Vermilion
Cynthia B. Levy (Mrs. J. Douglas)	James Hay Wilson (In Memoriam)
James R. Lomax	Ruth Jansson Wilson (Mrs. James Hay)
Joan E. Lomax (Mrs. James R.)	
David L. Rader	
Martha C. Rader (Mrs. David L.)	

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND  
 SECOND QUARTER CONTRIBUTIONS AND COMPARISONS  
 (October, November and December, 1980 Compared to October, November and December, 1979)

	Dollars Received 1980	Dollars Received 1979	Dollars % Change	Gifts Received 1980	Gifts Received 1979	Gifts % Change
<b>ANNUAL GIVING</b>						
Direct Mail	\$ 204,374.48	\$ 68,470.00	198.4	8,073	1,844	337.8
Annals	47,303.29	42,620.46	11.0	2,572	2,550	.9
Miscellaneous	373,819.16	472,760.39	(20.9)	8,028	8,400	(4.4)
Community Campaigns	-----	72,219.54	-----	-----	2,770	-----
Corporate Matching Gifts	69,322.79	36,376.92	90.6	96	166	(42.2)
TOTAL	\$ 694,819.72	\$ 692,447.31	.34	18,769	15,730	19.3
<b>MAJOR RESOURCES</b>						
Deferred Gifts	\$ 322,396.37	\$1,391,400.12	(76.8)	10	47	(78.7)
Major Individuals	1,799,144.91	1,548,083.39	16.2	717	720	(0.42)
Corporate	1,224,442.33	843,329.85	45.2	308	136	126.5
Corporate Foundations	233,256.67	286,338.46	18.5	55	128	(57.0)
Private Foundations	358,964.58	253,879.28	41.4	29	39	(25.6)
Other Organizations	253,800.25	546,430.95	(53.5)	186	553	(66.4)
TOTAL	\$4,192,005.11	\$4,869,462.05	(13.9)	1,305	1,623	(19.6)
GRAND TOTAL	\$4,886,824.83	\$5,561,909.36	(12.1)	20,074	17,353	15.7

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$5,287,920.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$350,044.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development and Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1980 through 30 September 1981. (Project 760927 - Continuation)

\$349,758.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Joint Services Electronics Program, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter, P. H. Pathak, N. N. Wang, R. Kouyoumjian, D. L. Moffatt, E. H. Newman, and J. D. Young), 1 October 1980 through 30 September 1981. (Project 760914 - Continuation)

\$289,995.00 - Department of Education, National Institute of Education, Washington, D. C., ERIC Information Analysis Center for Science, Mathematics, and Environmental Education, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 January 1981 through 31 December 1981. (Project 761083 - Continuation)

\$268,814.00 - Department of Education, National Institute of Education, Washington, D. C., Institutional Grant, National Center for Research in Vocational Education (R. E. Taylor), 1 December 1980 through 28 February 1981. (Project 762530 - Continuation)

\$218,741.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Southwest Oncology Group, Department of Medicine (H. E. Wilson and S. E. Balcerzak), Department of Radiology (F. Batley), Department of Surgery (J. P. Minton), and Department of Pathology (K. P. Clausen), 1 January 1981 through 31 December 1981. (Project 761094 - Continuation)

\$143,960.00 - National Science Foundation, Washington, D. C., A Comparative Analysis of the Relationship Between Migration and Economic Development, Department of Geography (L. A. Brown and F. C. Stetzer), 1 January 1981 through 31 December 1982. (Project 762538 - New)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$129,053.00 - Department of the Air Force, Electronic Systems Division (AFSC), Hanscom Air Force Base, Massachusetts, Geodetic and Geophysical Parameters, Department of Geodetic Science (U. A. Uotila), 1 October 1980 through 30 September 1981. (Project 761486 - Continuation)

\$113,220.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Thailand Rural Off-Farm Employment Project, Department of Agricultural Economics and Rural Sociology (D. H. Boyne), 15 August 1979 through 14 August 1981. (Project 761898 - Continuation)

\$111,718.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 May 1981 through 30 April 1982. (Project 761608 - Continuation)

\$110,000.00 - National Science Foundation, Washington, D. C., An Approach to Program Testing Based on Modularity, Department of Computer and Information Science (S. H. Zweben and L. J. White), 15 January 1981 through 31 January 1983. (Project 762551 - New)

\$94,610.00 - Department of the Interior, Geological Survey, Reston, Virginia, Analysis and Evaluation of Water Quality Data and Monitoring System Efficiency and Utility in the Ohio River Basin, Department of Civil Engineering (E. E. Whitlatch, Jr., R. M. Sykes, V. T. Ricca, and R. C. Stiefel), 1 March 1981 through 28 February 1982. (Project 762051 - Continuation)

\$90,389.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Solution Structure of Ribosomal 5S RNA and 5.8S RNA, Department of Chemistry (A. G. Marshall), 1 January 1981 through 31 December 1981. (Project 762523 - New)

\$82,347.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Toward Optimization of Information in Visual Displays Used for Training, Department of Psychology (D. H. Owen and R. J. Jagacinski) and Department of Aviation (R. S. Jensen), 1 February 1981 through 31 January 1982. (Project 762550 - New)

\$77,994.00 - National Science Foundation, Washington, D. C., Structural and Temporal Patterns in Executive Politics, Department of Political Science (J. H. Kessel), 1 January 1981 through 31 December 1982. (Project 762546 - New)



March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$66,736.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Savings Mobilization Campaign - Peru, Department of Agricultural Economics and Rural Sociology (D. H. Boyne), 15 July 1979 through 14 July 1981. (Project 761929 - Continuation)

\$58,900.00 - National Science Foundation, Washington, D. C., An Analysis of Microstructure and Toughness of Ceramics, Department of Metallurgical Engineering (R. G. Hoagland), 1 January 1981 through 31 December 1981. (Project 762334 - Continuation)

\$55,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effects of Ice Formation on 2-D Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 1 February 1981 through 31 January 1982. (Project 762009 - Continuation)

\$48,578.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute on Alcohol Abuse and Alcoholism, Rockville, Maryland, Drug/Alcohol Abuse Career Teacher Training, Department of Preventive Medicine (M. D. Keller), 1 January 1981 through 31 December 1981. (Project 761482 - Continuation)

\$44,722.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Regulation of Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 January 1981 through 31 December 1981. (Project 760578 - Continuation)

\$43,182.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Short-Term Dietary Control of Liver Lipogenesis, Department of Food Science and Nutrition (J. B. Allred), 1 January 1981 through 31 December 1981. (Project 760592 - Continuation)

\$39,815.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Research Related to Inertial Survey Systems, Department of Geodetic Science (I. I. Mueller), 1 October 1980 through 30 September 1981. (Project 761793 - Continuation)

\$33,619.00 - National Science Foundation, Washington, D. C., Comparative Microparticle Analysis of the 385M J-9 Ice Core, Ross Ice Shelf, Antarctica, Institute of Polar Studies (D. H. Elliot, L. G. Thompson, and E. Mosley-Thompson), 1 January 1981 through 30 June 1982. (Project 762558 - New)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$28,462.00 - Maryland Procurement Office, Fort George G. Meade, Maryland, Superdirective Arrays, Department of Electrical Engineering, ElectroScience Laboratory (E. Newman), 1 October 1980 through 5 March 1981. (Project 761428 - Continuation)

\$25,484.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Attention and Preparation in Rapid Performance, Department of Psychology (A. G. Greenwald), 1 December 1980 through 30 November 1981. (Project 761466 - Continuation)

\$25,000.00 - Federal Emergency Management Agency, Washington, D. C., Studies of Disaster Evacuation Behavior and Problems, Department of Sociology (E. L. Quarantelli), 1 January 1981 through 30 June 1981. (Project 762432 - Continuation)

\$21,409.00 - Department of Agriculture, Forest Service, Asheville, North Carolina, Fire Testing of Floors, Department of Ceramic Engineering (C. E. Semler) 1 February 1981 through 30 June 1981. (Project 762531 - New)

\$18,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Chemical Characterization of the Antitumor Factor in the Clam *Mercenaria m.*, Department of Chemistry (D. Horton), 1 December 1980 through 30 November 1981. (Project 762364 - Continuation)

\$18,000.00 - National Science Foundation, Washington, D. C., Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 1 July 1981 through 30 June 1982. (Project 762313 - Continuation)

\$15,843.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Research in Persuasive Communication, Department of Psychology (A. G. Greenwald), 1 December 1980 through 30 November 1981. (Project 761467 - Continuation)

\$14,599.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 20 January 1981 through 19 May 1981. (Project 762552 - New)

\$14,541.00 - Environmental Protection Agency, Cincinnati, Ohio, Improved Assumptions About Liquid Flow Through Wastes, Department of Civil Engineering (C. A. Moore), 27 June 1980 through 27 May 1981. (Project 762234 - Continuation)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$13,930.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Behavioral Competence, Self-Efficacy, and Women's Career, Department of Psychology (N. E. Betz) and Academic Faculty of Special Services (G. Hackett), 1 January 1981 through 31 December 1981. (Project 762517 - New)

\$5,531.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Bethesda, Maryland, Postoperative Recovery Mechanisms and Retention, Department of Psychology (D. R. Meyer and P. M. Meyer), 1 January 1980 through 30 June 1981. (Project 761470 - Continuation)

\$5,000.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Feasibility Study of Vehicle Tracking System, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda and M. A. Poirier), 6 January 1981 through 28 February 1981. (Project 762173 - Continuation)

\$4,677.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Sugar Nucleotides and Analogs, Department of Biochemistry (E. J. Behrman), 1 April 1981 through 31 January 1982. (Project 760152 - Continuation)

\$2,876.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Truck Tractor Pneumatic Simulator Development, Department of Mechanical Engineering (D. A. Guenther), 1 January 1980 through 31 December 1980. (Project 761992 - Continuation)

\$2,313.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D. C., Representation of Hispanic Students in Special Education and Gifted Programs in Five States: A Descriptive Study, Academic Faculty of Educational Administration (W. F. Staub), 1 January 1981 through 31 December 1981. (Project 762543 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$8,324,780.00**

**State of Ohio Research Contracts/Grants**

\$85,000.00 - State of Ohio, Department of Energy, Columbus, Ohio, Conservation Techniques Exchange - Educational Energy Project, Cooperative Extension Service - State Operations (P. R. Thomas), 9 January 1981 through 31 December 1981. (Project 762540 - New)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$49,913.00 - State of Ohio, Department of Economic and Community Development Weatherization Policy Advisory Committee, Columbus, Ohio, A Proposal to Evaluate the Federal Weatherization Program in the State of Ohio, Program for Energy Research, Education, and Public Service, Graduate School - Administration (W. B. Moreland), 23 December 1980 through 15 April 1981. (Project 762566 - New)

\$5,700.00 - Ohio Arts Council, Columbus, Ohio, Support for the Great Artist Series at Mershon Auditorium, Mershon Auditorium (T. M. VanLeer), 1 July 1980 through 6 May 1981. (Project 762557 - New)

\$4,250.00 - Ohio Arts Council, Columbus, Ohio, Support for the Great Artist Series at Mershon Auditorium, Mershon Auditorium (T. M. VanLeer), 1 July 1980 through 30 May 1981. (Project 762556 - New)

\$1,170.00 - Ohio Arts Council, Columbus, Ohio, Department of Dance 1980-81 Celebration Series, Department of Dance (H. P. Alkire), 1 July 1980 through 25 April 1981. (Project 762560 - New)

\$1,000.00 - Ohio Arts Council, Columbus, Ohio, Department of Dance 1980-81 Celebration Series, Department of Dance (H. P. Alkire), 1 July 1980 through 6 June 1981. (Project 762559 - New)

\$500.00 - Ohio Arts Council, Columbus, Ohio, Artist Series, 1980-81, Mansfield Campus (R. L. Wink), 1 July 1980 through 1 June 1981. (Project 762555 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 147,533.00

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$335,318.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1981 through 31 December 1981. (Project 760982 - Continuation)

\$200,000.00 - The John A. Hartford Foundation, Inc., New York, New York, A Cost-Containment Incentive Program--A Teaching Hospital Cost-Containment and Research Funding Program, Department of Medicine (C. M. Kunin), 1 February 1981 through 31 January 1983. (Project 762539 - New)

\$103,753.00 - Franklin County Mental Retardation Board, Columbus, Ohio, Pre-school and Early Training Program, The Nisonger Center for Mental Retardation (M. J. Guralnick), 1 September 1980 through 31 August 1981. (Project 762381 - Continuation)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$89,562.00 - Westinghouse Electric Corporation, Buffalo, New York, The Potential of Japan's KANBAN System in Different Manufacturing Settings: Computer Simulation and Behavioral Assessments, Academic Faculty of Management Science (L. J. Krajewski and L. P. Ritzman), 1 October 1980 through 30 September 1981. (Project 762537 - New)

\$85,069.00 - Franklin County Mental Retardation Board, Columbus, Ohio, School Age Program, The Nisonger Center for Mental Retardation (D. C. Cavin), 1 September 1980 through 31 August 1981. (Project 762382 - Continuation)

\$70,861.00 - Electric Power Research Institute, Palo Alto, California, The Effects of BWR Deaeration on the General and Localized Corrosion of Plain Carbon and Low Alloy Steel, Department of Metallurgical Engineering (D. D. Macdonald, S. Smialowska, and S. Pednekar), 1 January 1981 through 31 December 1981. (Project 761870 - Continuation)

\$70,335.00 - Purdue University, West Lafayette, Indiana, Observing Changes in Consolidated Balance Sheets for U. S. Households During Accelerating Inflation, Department of Economics and Academic Faculty of Finance (E. J. Kane), 23 September 1980 through 22 December 1981. (Project 762521 - New)

\$64,000.00 - National Training Fund of the Sheet Metal and Air Conditioning Industry, Washington, D. C., National Training Fund University Center Continuation, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 762130 - Continuation)

\$45,000.00 - Transamerica Delaval, Inc., Trenton, New Jersey, Electrochemical Reactivity and Stress Corrosion Cracking of Turbine Disc Alloys, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1981 through 30 September 1981. (Project 761965 - Continuation)

\$27,068.00 - Electric Power Research Institute, Palo Alto, California, An Advanced Prototype System for Locating and Mapping Underground Obstacles, Department of Electrical Engineering, ElectroScience Laboratory (R. Caldecott), 1 January 1981 through 30 June 1981. (Project 760604 - Continuation)

\$25,986.00 - Florida International University, School of Education, Division of Vocational Education, Miami, Florida, Consortium for the Development of Professional Materials for Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762384 - Continuation)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$25,832.00 - National Training Fund of the Sheet Metal and Air Conditioning Industry, Washington, D. C., National Training Fund University Center Continuation, National Center for Research in Vocational Education (R. E. Taylor), 1 January 1981 through 30 September 1981. (Project 762130 - Continuation)

\$25,000.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination: The Effect of Age, Institute for Research in Vision (O. M. Blackwell and H. R. Blackwell), 1 July 1980 through 30 June 1981. (Project 760716 - Continuation)

\$20,000.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination, Institute for Research in Vision (S. W. Smith), 1 October 1980 through 30 September 1981. (Project 760717 - Continuation)

\$20,000.00 - World Health Organization, Special Programs for Research and Training in Tropical Diseases, Geneva, Switzerland, Detection, Isolation and Ecology of Biological Control Agents and Maintenance of an Information System in this Field, Department of Entomology (J. D. Briggs), 1 January 1981 through 31 December 1981. (Project 760988 - Continuation)

\$19,254.00 - Muscular Dystrophy Association, New York, New York, Correlation of Axoplasmic Transport and Morphologic Changes in the Nerve in Relation to Distal Axonopathies, Department of Medicine (Z. Sahenk and J. R. Mendell), 1 January 1981 through 31 December 1981. (Project 761973 - Continuation)

\$19,000.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Newsletter for the Ohio Coal Research Laboratories Association, Inc., Program for Energy Research, Education and Public Service, Graduate School - Administration (R. E. Bailey), 1 November 1980 through 30 September 1981. (Project 762554 - New)

\$12,500.00 - Children's Crusade and Malabar Farm Fund Association, Cuyahoga Falls, Ohio, Bromfield's Malabar, Department of Photography and Cinema (J. R. Green), 1 February 1980 through 30 June 1981. (Project 762535 - New)

\$12,307.00 - San Diego State University Foundation, San Diego, California, Estimate the Quantity and Quality of Organic Carbon and the Potential Carbon Dioxide in Cold Soils of Northern Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 May 1980 through 30 April 1981. (Project 762518 - Continuation)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$11,000.00 - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1981 through 31 December 1981. (Project 762165 - Continuation)

\$10,000.00 - The Deafness Research Foundation, New York, New York, Evaluation of Vestibular and Optokinetic Function During Active Head Movements, Department of Otolaryngology (C. W. Stockwell), 1 January 1981 through 31 December 1981. (Project 762541 - New)

\$10,000.00 - The Deafness Research Foundation, New York, New York, Hemophilus Influenzae Otitis Media: An Animal Model, Department of Otolaryngology (T. F. DeMaria and D. J. Lim), 1 January 1981 through 31 December 1981. (Project 762545 - New)

\$9,263.00 - Anchorage School District, Anchorage, Alaska, Alliance for Career and Vocational Education (Membership), National Center for Research in Vocational Education (R. E. Taylor), 1 January 1981 through 30 April 1981. (Project 762081 - Continuation)

\$7,740.00 - Monsanto Fund, St. Louis, Missouri, Evaluation of Chironomus Riparius (=thummi) for Study of Toxicity, Site of Action, and Metabolic Conversion of Selected Organophosphate Insecticides, Department of Entomology (W. J. Collins), 1 January 1981 through 31 December 1981. (Project 761974 - Continuation)

\$7,037.00 - The Supreme Council 33, A A Scottish Rite, Lexington, Massachusetts, Hemispheric Functioning in Paranoid and Non-Paranoid Schizophrenics, Department of Psychology (P. A. Magaro), 1 October 1980 through 30 June 1981. (Project 762549 - New)

\$5,602.00 - Granville Exempted Village School District, Granville, Ohio, Community Attitude and Educational Facility Needs for the Granville Exempted Village School District, Granville, Ohio, Academic Faculty of Educational Administration (A. E. Wohlers), 15 November 1980 through 31 July 1981. (Project 762553 - New)

\$5,000.00 - Dermatology Foundation, Evanston, Illinois, Photoreversal of Sunlight-Induced DNA Damage *In Vivo*, Departments of Radiology and Pharmacology (S. M. D'Ambrosio), 1 January 1981 through 31 December 1981. (Project 762532 - New)

\$4,000.00 - University of Tennessee, Knoxville, Tennessee, To Study Flaw Characterization by Ultrasonic Spectral Analysis, Department of Welding Engineering (L. Adler), 1 October 1980 through 30 November 1980. (Project 762536 - New)

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$3,500.00 - World Health Organization, Special Program for Research and Training in Tropical Diseases, Geneva, Switzerland, *Plasmodium berghei*: Isolation and Fractionation of Parasites and Parasite Components, Department of Microbiology (J. P. Kreier), 1 January 1981 through 31 December 1981. (Project 761489 - Continuation)

\$2,000.00 - Mississippi Gulf Coast Junior College, Perkinston, Mississippi, and Guilford Technical Institute, Jamestown, North Carolina, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$1,500.00 - American Philosophical Society, Philadelphia, Pennsylvania, Wolf Spider Sociobiology: Reproductive Success of Males Differing in Dominance Rank, Department of Zoology (W. P. Aspey), 1 January 1981 through 31 December 1981. (Project 762548 - New)

\$1,000.00 - Cessna Aircraft Company, Pawnee Division, Wichita, Kansas, General Aviation/Airfoil Design and Analysis Service - Airfoil Modification Study, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 15 January 1981 through 31 March 1981. (Project 762547 - New)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS \$1,348,487.00

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$39,861.00 - various sponsors for 20 development projects operated by five engineering departments and research areas.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$14,000.00 - Armour Pharmaceutical Company, Kankakee, Illinois, for Biochemical Research Fund.

\$12,230.00 - SISA Incorporated, Cambridge, Massachusetts, for Clinical Pharmacology Fund.

\$12,000.00 - Glass Packaging Institute, Washington, D. C., for Engineering Mechanics Chairman's Discretionary Fund.



March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$10,000.00 - Eli Lilly and Company, Indianapolis, Indiana, for Infectious Disease Research Fund.

\$9,500.00 - Cardiac Pacemakers, Inc., St. Paul, Minnesota, for Pacemaker Development Fund.

\$9,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$6,000.00 - Eaton Corporation, Eastlake, Ohio, for Gear Dynamics and Gear Noise Research Laboratory Fund.

\$5,282.57 - Trust Under the Will of Carl M. Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$5,000.00 - Merck & Company, Inc., Rahway, New Jersey, for M. S. Newman Professorship of Chemistry.

**Establishment of Named Funds**

**The Milton Caniff Research Room Fund**

The Milton Caniff Research Room Fund was established March 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of Milton A. Caniff, B.A. '30, Doctor of Humane Letters, 1974, of Palm Springs, California.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is ultimately to be used to staff and operate the Caniff Research Room, as well as to acquire, preserve and organize multi-media collections representative of the mass media in twentieth century America. This unique library facility is to be used for research and teaching in journalism, art, history, business, cinema and other disciplines. Income is to be added to principal until the fund has a balance of \$500,000. Requisitions for the use of the funds will be approved by the Director of University Libraries and the Vice President for Educational Services.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for its libraries.

March 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**College of Veterinary Medicine Alumni Scholarship Fund**

The College of Veterinary Medicine Alumni Scholarship Fund was established March 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the alumni and friends of the College of Veterinary Medicine.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for veterinary students or fellowships to the graduate students who have demonstrated academic ability and the need for financial assistance. The selection of the recipient is to be made by the scholarship committee and approved by the Dean of the College of Veterinary Medicine.

Should the need for these scholarships and fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medical education.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-92

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**SPHINX PLAZA**

<b>Project:</b>	The 75th Anniversary of the Sphinx Senior Honorary Society will be in 1982. In connection with this, members of the Sphinx have elected to commemorate this significant event by providing funds for the construction of a landscape project to be known as Sphinx Plaza.
<b>Funding:</b>	Sphinx 75th Anniversary Gift Fund
<b>Estimated Project Cost:</b>	\$130,000.00

March 6, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**OVERNIGHT LODGING FACILITY TO SERVE THE HEALTH SCIENCES CENTER**

Resolution No. 81-93

*Synopsis: Authorization to study the feasibility of the private development and management of an overnight lodging facility is requested.*

WHEREAS the revised master plan for the health sciences center, prepared by a health center planning consultant, recommends that the University develop facilities to serve the overnight lodging needs of the health sciences center; and

WHEREAS many of the faculty in the health center have pointed out the need for overnight lodging facilities convenient to University Hospitals; and

WHEREAS the Facilities Committee of the University Hospitals Board has considered presentations by the administrative staff concerning the need for such services convenient to the health center; and

WHEREAS the University Hospitals Board endorses the development of convenient overnight lodging to serve the needs of the health sciences center; and

WHEREAS the University Hospitals Board requests the approval of the University Board of Trustees to permit the University administration, in consultation with the Hospitals Board, to study the feasibility of the private development and management of overnight facilities on a designated site:

NOW THEREFORE

BE IT RESOLVED, That the recommendation of the University Hospitals Board, as approved on February 18, 1981, requesting that the University study the feasibility of the private development and management of an overnight lodging facility is hereby accepted by this Board; and

March 6, 1981 meeting, Board of Trustees

**OVERNIGHT LODGING FACILITY TO SERVE  
THE HEALTH SCIENCES CENTER (contd)**

BE IT FURTHER RESOLVED, That the University administration, in consultation with the Hospitals Board, proceed to conduct the feasibility study requested by the Hospitals Board; and

BE IT FURTHER RESOLVED, That upon completion of this study and consultation process, the final recommendations are to be presented to this Board for approval.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-94

RESOLVED, That the report on the University's Investment Portfolio, dated February 20, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**DEVELOPMENT OF 1981-82 CURRENT FUNDS BUDGET  
STATUS REPORT BY PRESIDENT ENARSON**

In recent years, the March meeting of the Board of Trustees has marked a very significant phase in the development of the University's budget for the upcoming fiscal year which begins on July 1. Each year in March, the Administration has described the planning targets for faculty and staff salaries and other expenditure categories that are to be used in developing the budget which is traditionally presented to the Board at its June meeting.

The presentation of an overall budget strategy in March is customarily followed immediately by the issuance of salary guidelines and other budgetary allocations to the Vice Presidents and Deans so that College and Administrative Office budgets can be prepared and reviewed by the Central Administration prior to the June Board meeting.

For 1981-82, however, the uncertain and austere fiscal condition of the State of Ohio and The Ohio State University is such that the usual budget development schedule must be postponed.

As you are all aware, reductions in State funding totaling \$12.6 million have occurred in three successive reductions totaling 7 per cent for the current year, with the final phase announced on December 23, 1980. Although the impact of these reductions in State funding is being felt throughout the University, the University's retrenchment process was carried out in such a way that the temporary

**DEVELOPMENT OF 1981-82 CURRENT FUNDS BUDGET  
STATUS REPORT BY PRESIDENT ENARSON (contd)**

actions--and I must stress that temporary cuts were mandated because they were made in midyear--protected academic course offerings, maintained existing levels of student aid and student employment, achieved a major reduction in staffing levels without resorting to layoff procedures, and relied on student fee increases to offset only 24 per cent of the shortfall in State support. The effect of our budget retrenchment on services, however, continues to grow as the University's hiring freeze results in increasing numbers of unfilled positions and as retrenching operating budgets mean that fewer supplies and equipment are available to meet the University's program needs.

Although we do not know the severity of the cuts in real income that we will face in the upcoming biennium, it is clear that the University's funding difficulties will not be ended with the close of this fiscal year but will be carried forward into the upcoming biennium.

The Executive Budget for 1981-83 presented by the Governor to the General Assembly on February 4 fell two-tenths of a per cent short of restoring to OSU the funding level of the 1980-81 original appropriation. Within days after this Budget was announced, the State Office of Budget and Management revised the revenue projections for the upcoming biennium downward and has recommended that the original Executive Budget be cut by 2.6 per cent in 1981-82 and by 3.2 per cent in 1982-83. Discussions concerning State revenue projections are continuing in the General Assembly, and at this point no agreement has been reached on those levels upon which the 1981-83 biennial budget will be based.

Because of the uncertainty surrounding State levels of support for the University, and the extraordinary difficulties which current proposals would impose, we believe that the development of the University's 1981-82 budget should be deferred until we have more information which can come only from the legislative process. Clearly, this is not a year for doing business as usual in our fiscal planning.

Even in our most optimistic moments, we know that difficult choices will be made for 1981-82 among the three interrelated components of the University's budget: salary levels, student fees, and program funding. The establishment of choices among these components for 1981-82 will be of such significance that the University requires the best thinking of its faculty, administrative, and student leadership to arrive at a prudent course of action. Further, it is essential that we share with representatives of the students and faculty the implications of funding levels below present spending levels, let alone needs. We intend, therefore, to take advantage of the delayed budget process by setting in motion a process of consultation with representatives of those most concerned with our budget prospects.

Our plan is to establish an ad hoc Budget Advisory Council, comprised of representatives of various constituencies within the University, to advise the Administration as it develops its budget strategy for the coming year. This ad hoc Council will examine the fiscal status of the University, and will review the potential trade-offs that must be made among funding and revenue decisions.

March 6, 1981 meeting, Board of Trustees

**DEVELOPMENT OF 1981-82 CURRENT FUNDS BUDGET  
STATUS REPORT BY PRESIDENT ENARSON (contd)**

This Council will provide guidance to the University Administration on the principles and criteria to be employed in adjusting to fiscal austerity and will advise the President on appropriate strategies for taking appropriate retrenchment activities when such are necessary. Existing University processes for review and budgetary decisions will then be set in motion with the advice of the Council.

This ad hoc Council will be a supplement to, not a substitute for, the customary line responsibilities of the University Administration. It continues to be the Administration's responsibility to submit its final recommendations, based on its best judgment, to the Board of Trustees. It is, of course, the Board which must ultimately decide tuition policy, compensation policy, and major changes in program support.

The ad hoc Budget Advisory Council will be composed of the following representatives:

- \* Six members of the faculty selected by the faculty members of the University Senate Steering Committee in consultation with the Faculty Council.
- \* Three deans of colleges to be selected in a manner determined by the Provost.
- \* A student selected by each of the following student organizations: Undergraduate Student Government, Graduate Student Organization, Council of Graduate Professional Students.

The Provost and the Vice President for Finance and Planning will serve as non-voting ex-officio members. The various Vice Presidents and other officers of the University will meet with the Council from time to time as appropriate.

Non-voting co-chairmen of the Council will consist of the Vice President for Finance and Planning and a senior faculty member to be chosen by the President.

It is impossible to achieve a distribution of representation among the various constituencies that adequately parallels the impact of all decisions on the various constituencies. There are in the University community both shared interests and conflicting interests. We are optimistic that there will be greater agreement on the key issues than is generally thought. Certainly we will work toward agreement wherever possible. However, because consensus is not always possible when controversial issues are addressed, there will be no attempt to force compromise when to do so might blur honest differences of opinion. In those instances where no agreement is reached among the various constituencies on an issue, the Council will forward the separate recommendations of the constituent groups represented by the Council to the Administration.

March 6, 1981 meeting, Board of Trustees

**DEVELOPMENT OF 1981-82 CURRENT FUNDS BUDGET  
STATUS REPORT BY PRESIDENT ENARSON (contd)**

As the work of the Council progresses, it is expected that from time to time the Council will issue interim public reports. Although no final reporting date for the Council is established at this time, its work must be completed prior to the time that the 1981-82 budget is presented for adoption by the University Board of Trustees.

At the same time that discussions of the ad hoc Council are taking place at the Columbus Campus, the Vice President for Regional Campuses will undertake similar consultation with the constituent groups at those campuses.

In developing this plan, the advice and counsel of the University Senate Steering Committee has been extremely valuable. We realize that the time available is brief and the issues are complex. We deal with the unpleasant prospect of deciding how to share hardship. We cannot expect grand solutions, but we think that this enlarged consultation can be of significant value.

Mr. Hilliker:

Just one question, Mr. President, I think you hit it in your next-to-the-last sentence when you were talking about the prospect of deciding how to share hardship. I can see where an ad hoc Budget Advisory Council such as this will be advantageous as we plod through this process and I can see where you said its work must be completed prior to the time that the budget is presented for adoption by us. Is it also, then, safe to assume that that committee, however, would also terminate at that time, or are you envisioning this as an ongoing process year after year after year?

President Enarson:

No, it would be improper for me to make any such commitment. This is strictly a proposal for addressing the problem we have now. It is either this or something like this or it is the usual and customary way in which we address problems. I would assert that in the long haul there may or may not be need for new machinery, but if there were to be new machinery of a permanent sort, that would require a great deal of careful thought and I should think possibly action by the Board of Trustees.

Mr. Hilliker:

Can we anticipate, then, a report prior to the time we do have it for final approval because it would be helpful.

Mr. Devenow:

I think Mr. Hilliker makes a good point. I think, incorporated in your report should be that the life of the committee is at the end of the--

March 6, 1981 meeting, Board of Trustees

**DEVELOPMENT OF 1981-82 CURRENT FUNDS BUDGET  
STATUS REPORT BY PRESIDENT ENARSON (contd)**

Mr. Hilliker: This one budget crisis.

Mr. Galbreath: When the budget's adopted.

Mr. Devenow:

Has this report been discussed with the Finance Affairs Committee prior to this meeting?

President Enarson: It has not.

Mr. Devenow: Why wasn't it reported; why wasn't it discussed?

President Enarson:

I think, very simply, because we have been addressing any number of problems--we're dealing with a highly fluid situation--I think we have just begun to realize, as I am not sure others have, the degree of severity implied in the Governor's Executive Budget proposal. I think that is dramatized and sharpened and underlined, if you will, by the notification just a few days ago, that there are additional cuts being made. Now, I hadn't gotten into this because in one sense it is extraneous and in another sense, it is not. Just as we are being hit hard with respect to the State budget, we are struggling to try to assess the impact of Federal cuts. I wish I were prepared to tell this Board or tell the public or tell the students and faculty the full impact of proposals for massive cuts in student aid, for cuts in the National Institutes of Health and in the other agencies, for cuts in a whole host of programs which supply funds to the University. Bill--

Dr. Vandament:

In developing the process, I think, as you see in the President's report, we have regarded this mechanism as a mechanism of consultation and advice to the administration which then presents the budget to the Board in the customary manner, and because this did not change the reporting relationship of the administration to the Board of Trustees, we thought that this was an administrative action that could be taken by informing the Board rather than by seeking approval.

Mr. Hilliker:

My concern is that I always look skeptically at creating other long-time levels of bureaucracy.

Mr. Devenow:

I can understand your position, Bill, and I am merely pointing out that you are setting a precedent here. I feel very strongly--despite the fact that there is no committee that the Board is authorizing here--that that precedent should have been discussed with the Fiscal Affairs Committee so they could present it properly to the Board, not as something we have to vote on but as a precedent. Any other comments?



March 6, 1981 meeting, Board of Trustees

**DEVELOPMENT OF 1981-82 CURRENT FUNDS BUDGET  
STATUS REPORT BY PRESIDENT ENARSON (contd)**

President Enarson:

I suppose from time to time as President, I have made use of any number of ad hoc advisory groups. I grant you this is a very important group, and if we could command more attention of the time of the Board than we do, we always welcome further participation.

Mr. Havens:

Is there any particular reason why the Provost appoints the three deans when, on the other hand, the six faculty members are selected by the Steering Committee?

Provost Reynolds:

I'll respond to that, Mr. Havens. I have great faith in my deans, and I had planned to convene them and talk with them about this and develop some sort of process with them that they all agreed to, to result in their selection that would be mutually satisfactory.

Mr. Havens: I accept that.

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**APPOINTMENT OF NOMINATING COMMITTEE**

Mr. Devenow announced the appointment of the following persons to the Nominating Committee:

Daniel M. Galbreath, Chairman  
John F. Havens  
Edmund C. Redman

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**ENERGY MANAGEMENT--OSU**

Mr. Jackson:

First of all, let me say that I appreciate the opportunity and certainly understand why we're where we are; let's put it that way. One of the things I found when I came to the University just over a year ago was a very fine energy conservation program, which under the President's leadership and Tom Smith and his folks have done such a super job. We had originally thought we might try to take everybody over to the energy conservation computer and kind of show you how it all works. I had some thoughts about that because we bring before you, all the time, little pieces of this energy conservation program and really have been unable

March 6, 1981 meeting, Board of Trustees

**ENERGY MANAGEMENT--OSU (contd)**

Mr. Jackson: (contd)

to show you how they all fit together. So we decided since the little trip was impractical because of space and time, that we would put together a TV tape so that we could use it not only to present to you but as a training tool for alumni groups and the like, a little show which I think is really very good. I think it leads us from where we've been to maybe some of the things that ought to be considered here in the very near future. There are some important details, and so we would hope that the picture is good and that the sound is good so that you can hear them, and I think you'll find it very interesting. Let's see if everything works now.

(The film followed)

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Thereupon the Board adjourned to meet Friday, April 3, 1981, at Morrill Hall on The Ohio State University Marion Campus, Marion, Ohio, at 10:30 a.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

APPENDIX III

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

March 20, 1981

## Honorary Degree Recipients

### Norman E. Borlaug

Distinguished agricultural scientist and humanitarian, recipient of the Nobel Peace Prize, Norman E. Borlaug has been aptly described as a "peaceful revolutionary." His pioneering work in perfecting strains of wheat suited to the growing conditions in developing countries created a "green revolution" and lifted the burden of hunger from millions around the world. Product of a land-grant university, exemplar of the land-grant ideal, he has dedicated his life to giving others the knowledge to change their lives for the better. As scientist and spokesman, he continues his efforts to ease the problems of world hunger today and avert the crises of tomorrow. The Ohio State University is honored to pay tribute to Norman E. Borlaug for his singular contributions to a future of promise for all people.

### Edgar F. Shannon Jr.

Internationally recognized scholar, distinguished academic statesman, Edgar F. Shannon Jr. exemplifies the highest traditions of the scholarly life. From his heritage as a Virginian, he drew a sense of excellence that became the hallmark of his career as Rhodes scholar, professor of English, and university president. During 15 years as president of the University of Virginia, he built upon its honored past, opened its doors to the future, and led it to new acclaim. His leadership in the national affairs of higher education and his service as president of Phi Beta Kappa attest to the high regard in which he is held by his peers. The Ohio State University is privileged to honor him for his eminent career and lasting contributions as teacher, scholar, and leader of the academy.

## Distinguished Service Award Recipients

### John Deaver Drinko

Honor graduate of the College of Law, dedicated leader in its behalf, John Deaver Drinko has served this University with unusual distinction. Setting as his goal the enrichment of legal education through private support, he provided the dynamic force that led to the establishment of two endowed professorships and a major scholarship fund. In many other ways, he has involved himself in distinguished service to his alma mater. His untiring efforts and his generous sharing of personal resources reflect his unique commitment to excellence in all that The Ohio State University undertakes.

### Arnold E. Ross

Distinguished mathematician, inspiring teacher, Arnold E. Ross has gained international recognition for his unique efforts to discover and develop talent in young people. His summer mathematics programs for gifted high school students brought great credit to this University and became the model for programs abroad. His work with talented inner-city children reflects his deep belief that the gifts of the mind are everywhere. Under his guiding hand as chairman, the Department of Mathematics developed strength and vitality. For more than four decades, Arnold E. Ross has widened the horizons of students and colleagues and fulfilled the highest promise of the teacher's art.

# The Graduate School

Dean: Jules B. LaPidue

## Doctor of Philosophy

Valija Miske Axelrod, Worthington; B.A. (Miami University); M.S. (Wayne State University); *Education*; *Dr. Desmond L. Cook*

Douglas Peter Beal, Shaker Heights; B.S.; M.Ed. (Bowling Green State University); *Physical Education*; *Dr. Edward L. Fox*

Hashmy Mohamed Bel-Haj, Tripoli, Libya; B.S. (University of Libya); M.S. (Colorado State University); *Horticulture*; *Dr. Wilbur A. Gould*

Mary Frances H. Nemmers Beno, Kaukauna, Wis.; B.S. (Marquette University); M.S.; *Chemistry*; *Dr. Richard F. Firestone*

Robert Mark Boysel, Columbus; B.A., M.S.; *Physics*; *Dr. James C. Garland*

Jau-Huey Chen, Kaohsiung, Taiwan; B.S. (National Taiwan University); M.A.; *Economics*; *Dr. Thomas A. Wolf*

Wichai Chevapratadumrong, Bangkok, Thailand; B.Engr. (Chulalongkorn University); M.S. (University of Washington); *Civil Engineering*; *Dr. Kamran Majidzadah*

Ho Jin Choi, AnnDong, Korea; B.S. Eng. (Seoul National University); M.S.; *Metallurgical Engineering*; *Dr. Franklin H. Beck*

Wen-Shiung Chow, Taipei, Taiwan; B.S. (National Taiwan University); *Biochemistry*; *Dr. Garfield P. Royer*

Harvey W. Clark, Jr., Mansfield; B.S., *Physics*; *Dr. Timothy R. Donoghue*

Daniel Raymond Coleman, Columbus; B.S., M.S. (Florida Atlantic University); *Biochemistry*; *Dr. Garfield P. Royer*

Danny Lee Crippen, Madison, S. D.; B.S. (University of South Dakota); M.P.A.; *Public Administration*; *Dr. Clinton V. Oster, Sr.*

Ray Junior Davis, Bridgeport, Conn.; B.S. (University of Maryland); M.A.; *Education*; *Dr. James J. Buffer, Jr.*

Sandra Petersen Davis, Waymouth, Mass.; B.S. (Colorado State University); *Political Science*; *Dr. Herbert F. Weisberg*

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## Master of Public Administration

Margaret M. Dinan, Columbus; B.A., B.S.Ed.; *Public Administration*

Blake William Sherry, Winterville; B.A. (Kent State University); *Public Administration*

Melissa J. Stanford, Columbus; B.A.; *Public Administration*

## Master of Science

Abdulshafi Ahmed Abdulshafi, Columbus; B.Sc. (Cairo University); *Civil Engineering*

Osama Ahmed Abdulshafi, Cairo, Egypt; B.Sc. (Cairo University); *Civil Engineering*

Carol S. Adams, Columbus; *Home Economics*

Agnes Caroline Guiua Aguas, Philippines; B.S. Statistics (University of the Philippines); *Computer and Information Science*

Barbara Vix Anderson, Miami, Fla.; B.S. (Millikin University); *Pathology*

Douglas Robert Anderson, Upper Arlington; D.D.S.; *Dentistry*

Jayne Susan Anderson, Elgin, Ill.; B.S. (University of Illinois); *Plant Pathology*

Monty Andro, Avon Lake; B.S.E.E. (Ohio University); *Electrical Engineering*

William Thomas Bacon, Jr., London; B.A. (Wittenberg University); *Agricultural Economics and Rural Sociology*

Behnam Baharlou, Tehran, Iran; B.S.; *Engineering Mechanics*

Simine Bahhage, Iran; B.Sc. (University of Jordan); *Computer and Information Science*

Robert Charles Bartman, Columbus; B.S.; *Geology and Mineralogy*

Anna Lee Bendig, Mt. Vernon; B.A.; *Ceramic Engineering*

Rahim Farahnak Benekohal, Tabriz, Iran; B.S. (University of Rezaieh); *Civil Engineering*

Daniel J. Birmingham, Shadyside; B.S.; *Microbiology*

Myra R. Block, Pittsburgh, Pa.; B.S. (Pennsylvania State University); *Home Economics*

Elizabeth Anne Boyne, Columbus; B.S.; *Horticulture*

Richard Grant Broadhead, Christchurch, New Zealand; B.E. (Lincoln College); *Agricultural Engineering*

Christine Patricia Brown, Palo Alto, Calif.; B.S. (University of California at Davis); *Chemical Engineering*

Kathryn Marie Brown, Chillicothe; B.S.; *Microbiology*

Gary A. Chambers, Columbus; B.A. (Heidelberg College); *Preventive Medicine*

Chein-chi Chang, Taiwan, R.O.C.; B.E. (Tamkang University); *Civil Engineering*

Ian Yiing-Shyang Chiou, Tainan, Taiwan, R.O.C.; B.S.E.E. (National Taiwan University); *Computer and Information Science*

Taemin Choi, Taegu, Korea; B.Eng. (Kyungpook National University); *Mechanical Engineering*

Chaiwat Damrongmongkolgul, Uttaradit, Thailand; B.Sc. (Chulalongkorn University); *Industrial and Systems Engineering*

Joseph Gerard D'Mello, Bangalore, India; B.Sc., M.Sc. (Bangalore University); *Mathematics*

Stephen Harry Doerr, Lancaster, Pa.; B.S. (Lehigh University); *Metallurgical Engineering*

Teresa M. Dole, Columbus; B.S.; *Preventive Medicine*

James Aylmer Doucett, Olean, N. Y.; A.B. (Kenyon College); *Zoology*

Robert Allen Dubbert, Bellevue; B.A. (Luther College); *Chemistry*

Valentine Anayo Duruibe, Ihioma, Nigeria; B.S. (Wilberforce University); *Pharmacology*

Anne Marie Edwards, Painesville; B.A.Chem. (Otterbein College); *Chemical Engineering*

Daniel Lee Edwards, Columbus; *Natural Resources*

Edward Leslie England, Key West, Fla.; B.A. (Concordia College); *Electrical Engineering*

Linda Sue England, Columbus; B.S. (Oklahoma Baptist University); *Environmental Biology*

Sharon Lee-Zeigler Farrell, Galion; B.S.All'd.Hlth.Prof.; *Allied Medical Professions*

Robert Paul Felder, Cleveland; B.S.; *Geology and Mineralogy*

Connie Jean Distler Fenton, Winchester; B.S.N.; *Nursing*

Vincent Ferraro, Cleveland; B.S. (Case Western Reserve University); *Civil Engineering*

Candy Jean Fogg, Andover, Mass.; B.S. (Utah State University); *Entomology*

Tresa Marie Fraser, Columbus; B.S. (Wheeling College); *Entomology*

Daniel Howard Freeman, Wooster; B.S.C.E. (University of Notre Dame); M.B.A. (Arizona State University); *Civil Engineering*

Robert A. Galemno, Jr., Mooers, N. Y.; B.A. (State University of New York, College at Potsdam); *Chemistry*

James Garner, Vermilion; B.S. (Cleveland State University); *Physics*

Ralph Edward Goddard, Jr., East Liverpool; B.S.E.E.; *Electrical Engineering*

William Leonard Gorder, Powhatan Point; B.S.E.E. (Ohio University); *Electrical Engineering*

James Carlton Grams, Reynoldsburg; B.S. (University of Vermont); *Computer and Information Science*

Michael Ray Gugenheim, Denver, Colo.; B.S. (Massachusetts Institute of Technology); *Computer and Information Science*

Barbara Anne Watson Hammer, Columbus; B.A.N. (Gustavus Adolphus College); *Nursing*

Dale Dawson Hancock, Stephenville, Tex.; B.S., D.V.M. (Texas Agricultural and Mechanical College); *Veterinary Preventive Medicine*

- Bruce Alan Hartsough, Cincinnati; *Computer and Information Science*
- Richard Leo Hellmich, II, Greensburg, Ind.; B.A. (DePauw University); *Entomology*
- Ronald F. Hemmer, Columbus; B.S.; *Agricultural Economics and Rural Sociology*
- Neil Wallace Higgins, Columbus; B.S.; *Plant Pathology*
- Donald G. Hite, Jr., Mascoutah, Ill.; B.A. (Southern Illinois University); *Geodetic Science*
- Marjorie Adams Hobe, Medina; B.A. (Wittenberg University); *Plant Pathology*
- Karen Ann Hoover, Bradford; B.S. (Morehead State University); *Agricultural Education*
- Catherine Leona Hermon Hornbeck, McComb; B.S.; *Allied Medical Professions*
- Ralph E. Howard, Jr., Cincinnati; B.A. (Miami University); *Computer and Information Science*
- Cheng-Hsiang Huang, Taiwan, R.O.C.; B.S. (Fu-Jen University); M.S.; *Computer and Information Science*
- John Allan Edgar Hubbell, Lima; D.V.M.; *Veterinary Clinical Sciences*
- Sandra Lynne Huff, Hillsboro; B.S. (Morehead State University); *Home Economics*
- Sherry Lee Hull, Brookville; B.S.N.; *Nursing*
- Renate F. Hunn, Columbus; B.A. (Manchester College); *Natural Resources*
- Steven Douglas Huseth, Minneapolis, Minn.; B.S. (Saint Olaf College); *Computer and Information Science*
- Nan-shan Hwu, Kaohsiung, Taiwan, R.O.C.; B.S. (National Tsing Hua University); *Electrical Engineering*
- Jose Galo P. Isada, Jr., Altavas, Aklan, Philippines; B.S.Geod.Eng. (University of the Philippines); *Geodetic Science*
- Noreen Barbara Javornik, Fostoria; B.S.; *Allied Medical Professions*
- John Milton Jones, III, Nashville, Tenn.; B.S.M.E. (Tennessee State University); *Mechanical Engineering*
- Stephen Frederick Joseph, Utica; B.S.; *Agricultural Education*
- Agoes Hermanto Judoprasetyo, Malang, East Java, Indonesia; B.S. (Boston University); *Electrical Engineering*
- Robert Alan Kavula, Warrensville Heights; B.S.Math. (Marietta College); *Computer and Information Science*
- Abbas Kamyar Kayvan, Ahwaz, Iran; B.S.E.E. (Oklahoma State University); *Electrical Engineering*
- Abdul Shakoor Khan, Pakistan; B.Sc. (University of Agriculture); *Agricultural Engineering*
- Adil Hamid Khan, Karachi, Pakistan; B.E. (University of Karachi); *Metallurgical Engineering*
- Philip Wakefield Klindinst, Bethesda, Md.; B.A. (Denison University); *Geology and Mineralogy*
- Chi-Shen Jane Kohn, China; A.B.S. (Ming Chuan College); B.S. (University of Tennessee); *Computer and Information Science*
- Perumal Krishnasamy, India; B.S. (Madurai University); M.S. (University of Madras); *Computer and Information Science*
- Lung-Yang Lai, Taiwan, R.O.C.; B.S.E. (National Cheng Kung University); *Civil Engineering*
- Chongkolnee Laohavichitra, Thailand; B.Sc. (Chulalongkorn University); *Chemical Engineering*
- Duane Kent Larick, Mentor on the Lake; B.S.; *Animal Science*
- Robin Mears Lease, Columbus; B.S. (Miami University); *Home Economics*
- Steven Ray Leinbach, Elkhart, Ind.; B.S. (Purdue University); *Chemistry*
- Susan Elliott Leister, Columbus; B.S. (Duke University); *Horticulture*
- Carol Ventresca LeVere, Columbus; B.S.; *Industrial and Systems Engineering*
- Richard Chiho Lian, Taiwan, R.O.C.; M.S. (National Chiao Tung University); *Computer and Information Science*
- Huai-An Lin, Taiwan, R.O.C.; B.S. (National Taiwan University); *Computer and Information Science*
- Pei-kee Lin, Taipei, Taiwan, R.O.C.; B.S. (Tsing Hua University); M.S., Ph.D. *Computer and Information Science*
- Shwu-Jane Lin, Taipei, Taiwan, R.O.C.; B.S. (Soochow University); *Computer and Information Science*
- Chen-Kuang Lo, China; B.S. (University of Wyoming); *Electrical Engineering*
- Ward Howard Lutz, Urbana; B.S.Agr., D.V.M.; *Physiological Chemistry*
- John Edward Lynch, III, London; B.S.C.E.; *Civil Engineering*
- Carlos Enrique Macellari, La Plata, Argentina; Licenciado en Geologia (Universidad Nacional de La Plata); *Geology and Mineralogy*
- Muhammad Ali Malas, Damascus, Syria; B.S.I.E.S. (Ohio University); *Civil Engineering*
- James Marais, Springs, South Africa; B.V.Sc., Dip.Med.Vet. (University of Pretoria); *Veterinary Anatomy*
- Michael Croy Marchetto, Columbus; B.A. (University of Notre Dame); *Preventive Medicine*
- Ramon Eliecer Martinez, Panama, Republic of Panama; Lic. en Ingenieria; *Civil Engineering*
- O. Rhodena Masys, Morehead, Ky.; B.S.H.E.; *Home Economics*
- Ronald Martin McOmber, Dayton; B.S.C.E.; *Civil Engineering*
- Jorge L. Meléndez, Rio Piedras, Puerto Rico; B.S. (University of Puerto Rico); *Chemistry*
- Masayuki Mochida, Tokyo, Japan; B.S. (Osaka University); *Electrical Engineering*
- Juan Ignacio Montero, Cordoba, Spain; B.S.Agr.Eng. (University of Cordoba); *Agricultural Engineering*
- Edward Iregi Mutahi, Nairobi, Kenya; B.Sc. (University of Nairobi); *Agricultural Economics and Rural Sociology*
- Hagai Ohel, Columbus; B.S.; *Computer and Information Science*
- Charles John Olosky, Cleveland; B.S.Agr.E.; *Agricultural Engineering*
- Oliver Amanze Onyewuanyi, Owerri, Nigeria; B.S. (University of Missouri); *Metallurgical Engineering*
- Lee Opatowsky, Woodland Hills, Calif.; A.B. Physics, A.B.Math. (University of California at Berkeley); *Physics*
- Lyndon Mingliang Pan, Taiwan, R.O.C.; B.S.E.E. (National Taiwan University); *Electrical Engineering*
- Raymond Sinchen Pan, Taiwan, R.O.C.; B.Eng. (College of Chinese Culture); *Ceramic Engineering*
- Lizette Anne Paul, Middletown; B.A. (Otterbein College); *Home Economics*
- Michael Joseph Pesch, Rochester, Minn.; B.A. (University of Minneapolis); *Agricultural Economics and Rural Sociology*
- Frank A. Pierrat, Andover, Mass.; B.A. (Boston University); *Chemistry*
- Bhola N. Pokharel, Jhapa, Nepal; B.Sc. (University of Udaipur); *Agricultural Economics and Rural Sociology*
- Ronald Lee Powell, Delaware; B.S.Agr.; *Agricultural Education*
- George S. Prabhu, Columbus; B.S. (Sambalpur University); M.B.A.; *Computer and Information Science*
- Barbara Bintrim Quintero, Columbus; B.S. (Indiana University of Pennsylvania); *Home Economics*
- William Eugene Radcliffe, Jr., Bryans Road, Md.; B.S.Ind.Engr. (New Mexico State University); *Industrial and Systems Engineering*
- George Kirby Richards, Columbus; B.A.; *Natural Resources*
- Carrole Miller Roberts, Columbus; B.S.N. (Capital University); *Nursing*
- Suzanne Marguerite Rogers, Trumansburg, N. Y.; B.S. (Cornell University); *Horticulture*
- David Edward Rooney, Findlay; B.S.E.E.; *Electrical Engineering*

Randall K. Rucker, Portsmouth; B.S.Ed. (Ohio University); *Agricultural Education*

Babak Sabi, Tehran, Iran; B.A. (Wittenberg University); *Electrical Engineering*

Sunil Satija, Kanpur, India; B.Tech. (Indian Institute of Technology); *Chemical Engineering*

Hernan Samuel Schmidt, Columbus; B.S., M.D. (Loma Linda University); *Psychiatry*

Dale Schuit, Posen, Ill.; B.S. (Saint Louis University); *Allied Medical Professions*

Jack Fred Schwarz, Ottawa; B.S.; *Agricultural Economics and Rural Sociology*

Korhan Sevenler, Istanbul, Turkey; B.S. (Bosphorus University); *Industrial and Systems Engineering*

Patricia Pontius Seymour, Columbus; B.S.; *Nursing*

William Allen Shaffer, Ijamsville, Md.; B.A. (The Catholic University of America); *Physics*

Kambiz Shahnaei, Tehran, Iran; B.S. (Clemson University); B.S.E.E.; *Electrical Engineering*

Abdulla Mohammed Shedayed, Riyadh, Saudi Arabia; B.S. (California State University); *Geodetic Science*

Robert Eugene Shenk, Wapakoneta; B.S., J.D.; *Agricultural Economics and Rural Sociology*

Craig William Sherban, Columbus; B.S.Ch.E.; *Chemical Engineering*

Michael James Shertzer, Portage; B.S.; *Agricultural Education*

Seth A. Silverman, Yonkers, N. Y.; B.S. Chemistry (University of Connecticut); *Metallurgical Engineering*

Kaberi Sinha, Bombay, India; B.S. (University of Bombay); M.S. (Indian Institute of Technology); *Chemistry*

Samir Salim Sleiman, Tripoli, Lebanon; B.S.C.I.S.; *Computer and Information Science*

Thomas Vinton Snider, Westerville; B.M.E.; *Computer and Information Science*

Shin-Min Song, Tamshui, Taiwan, R.O.C.; B.S. (Tatung Institute of Technology); *Mechanical Engineering*

Benjamin Dale Stokes, Wilmington; B.S.; *Agricultural Education*

Dorothyann W. Strange, Bowling Green; B.S. (Iowa State University); *Agricultural Economics and Rural Sociology*

Thirapong Subpa-asa, Bangkok, Thailand; B.Eng. (Chulalongkorn University); *Mechanical Engineering*

Gary L. Szatmari-Goodman, Massillon; B.S.; *Entomology*

Young Tao, Troy, Mich.; B.S.; *Microbiology*

Percy Shapur Tarapore, Bombay, India; B.Sc., M.Sc. (Bombay University); *Industrial and Systems Engineering*

Maurice Andre Taylor, Pine Bluff, Ark.; B.S. (University of Arkansas at Pine Bluff); *Computer and Information Science*

Mario Ramos Tolentino, Quezon City, Philippines; B.S.Geod.Eng. (University of The Philippines); *Geodetic Science*

Douglas Alvin Troy, Cincinnati; B.S.Ed. (Miami University); *Computer and Information Science*

James Edward Tubero, Independence; B.S. (Kent State University); *Natural Resources*

Vichien Usanachote, Bangkok, Thailand; B.Sc. (Chulalongkorn University); *Industrial and Systems Engineering*

Timothy Andrew Van Echo, Columbus; B.S.C.E.; *Civil Engineering*

Uday Vasant Watwe, Bombay, India; B.Tech. (Indian Institute of Technology); *Computer and Systems Engineering*

Wing-Seng Wong, Macao, Portugal; B.S. (University of Southwestern Louisiana); *Computer and Information Science*

Fu-Yu Wu, Touliou, Taiwan, R.O.C.; B.S. (National Taiwan University); *Animal Science*

Chao Wu Yang, Taipei, Taiwan, R.O.C.; B.S. (Tunghai University); *Computer and Information Science*

Cesar E. Yepex, Guayaquil, Ecuador; B.S. (Escuela Superior Politécnica del Litoral); *Electrical Engineering*

Joseph John Zakej, Cleveland; B.S., M.S. (John Carroll University); *Computer and Information Science*

## Colleges of The Arts and Sciences

Chairman, Coordinating Council of Deans:  
Patrick R. Dugan

Vice Provost for the Arts and Sciences:  
Thomas A. Willke

The Colleges of the Arts and Sciences, a federation of five colleges, include:

College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and Physical Sciences

College of Social and Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

Gary Thomas Ajamie, Akron  
Carey Lindsay Champoux, Westerville  
James Robert Early, Shelly  
Douglas Alan Heale, Steubenville  
Mary Louise Henrich, Columbus  
Bruce Edward Hochstetler, Mentor  
Robert R. Howland, Jr., Gahanna  
John Charles Huffman, Washington C. H.  
Joanne Hellen Jastram, Columbus  
Conrad Lowell Kinard, Jr., Denton, Tex.  
Ellen Margaret Liesch, Trenton, N. J.  
Yetunde O. Makinde, Ifaki, Ekiti  
Teresa Kathryn Mensik, Dayton  
Kurt Francis Mutchler, North Canton  
Bruce David Nachman, Shaker Heights  
Barbara S. Nielsen, Columbus  
Valerie Sylvia Raita, Kettering  
Rebecca Lin Russell, Avon Lake  
Maureen Shanahan, Lima  
James Hayes Staebler, Mentor  
Charles D. Stallard, II, Jenkins, Ky.  
Timothy C. Welch, Reynoldsburg

### Bachelor of Fine Arts

Richard Walter Borg, Worthington  
Steven E. Brasier, Kettering  
Ann Louise Burkhart, Fairborn  
Kathleen Anne Kopp, Columbus  
Daniel John Hucko, Columbus  
Frederic Thurlow Paddock, Columbus  
Gregory Jay Zivic, Dover

### Bachelor of Music

Bennie Lee Jones, Columbus  
Hien Ngoc Tran, San Francisco, Calif.

### Bachelor of Art Education<sup>1</sup>

Wanda Sue Corbet, Harrod  
Lynn Schwartz Dorr, Worthington  
David Richard Douglass, Pataskala  
Margaret Mary Gallagher, Troy  
Susan Ann Shirley, Hixson, Tenn.

### Bachelor of Music Education<sup>1</sup>

Suzanne Claire Matthews, Columbus  
Martha Irene Smith, Avon Lake

### Bachelor of Science in Audio Recording

James Alan Kaiser, Columbus

<sup>1</sup> Offered jointly by the College of the Arts and the College of Education

# College of Biological Sciences

Dean: Patrick R. Dugan

## Bachelor of Science

Andrea R. Bowen, Chicago  
Peter Douglas Brosse, Shaker Heights  
Rebecca Bull, Columbus  
Cynthia Lee Butcher, Canfield  
Timothy Paul Cullinan, Columbus  
Gregory Alan Dahlem, Dayton  
Jeffrey Allen DaRif, Washington C. H.  
Eudora Eng, Mentor  
Archie David Enoch, Jr., Dayton  
William L. Fodor, Columbus  
John Michael Helland, Fairview Park  
Daniel Lane Hood, Centerville  
Michael J. Huels, Versailles  
Guy Kenneth Kantak, Columbus  
Paul E. Keers, Cincinnati  
Richard Klump, Independence  
Michael Anthony Kuharik, Fairview Park  
Kim Pinge Lee, Cleveland Heights  
James Andrew Loesch, Mansfield  
Doreen Lynne Markowitz, Mayfield Heights  
Robert Coy Moody, Grafton  
Jacqueline Newett, Cleveland  
David Benjamin Packer, Euclid  
Nanette Peg Pasquini,  
Hasbrouck Heights, N. J.  
Mark John Piacentini, Columbus  
Andrea Beth Riedel, Garfield Heights  
Michael David Roman, Rocky River  
Lauri J. Romanzi, Fairfax, Va.  
Angela Luisa Santiago-Franqui,  
Caguas, Puerto Rico  
John Carl Sefton, Dayton  
Sujata Singh, Cleveland  
Jon Patrick Sipes, Youngstown  
Laure Ann Vereb, Sylvania  
Jeffrey Alan Webb, Middletown  
David A. Zvara, Sylvania

# College of Humanities

Dean: Diether H. Haenicke

## Bachelor of Arts

Elizabeth Carole Anderson, Ashtabula  
Gerald A. Baker, Oak Hill, W. Va.  
Julie Jean Bauchert, Columbus  
Jennifer Ruth Bowman, Upper Arlington  
Nicholas Adam Bressler, Steubenville  
Robert M. Brown, Upper Arlington  
Fred Herbert Buchholz, Columbus  
Donald Lewis Fisher, Jr., Columbus  
David Gerard Fitzsimmons, Parma  
Dale Burton Frazier, Barnesville  
Douglas Gibson Gardner, Columbus  
Frank Karl Gunther, Jr., Chagrin Falls  
Vikki Lou Lancia, Upper Arlington  
James Douglas Merchant, Columbus  
Mary Elizabeth Murphy, Newark  
Thomas Christopher Neal, Columbus  
Iris Oberleitner, St. Gallen, Switzerland  
Christine Lea Pannell, Columbus

Jeffrey Wayne Pelley, Wellsville  
Robert James Rees, Worthington  
Alfred Rittmeyer, Columbus  
Matthew David Sommer, Columbus  
Elisabeth C. von Carlowitz, Moreland Hills

# College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

## Bachelor of Arts

James L. Miller, Apple Creek  
Thomas George Murray, Worthington  
Lesbia Navarro, Columbus  
Richard Allen Newman, London  
Robert Lincoln Quick, Tokyo, Japan

## Bachelor of Science

Deana Denise Chapman, Columbus  
David Alan deVries, Columbus  
Jeffrey Alan Dodson, Kettering  
Deanna Gail Doubledee, Massillon  
Emmanuel Michael Ellenis, Bellaire  
Robert Douglas Evans, Columbus  
Robert Allen Ferry, Valley City  
Marci Joan Foster, Pandora  
Susan Ann Hamilton, Columbus  
Bruce Alan Hartsough, Cincinnati  
Mark Charles Kehlmeier, Westerville  
Gloria Ann Koruschak, Youngstown  
Raymond Douglas McClain, Gratis  
Joseph William Mitchell, Boardman  
Steven Saul Shultz, Warren  
Douglas Erwin Snouffer, Columbus  
Karen Ann Turner, Columbus  
Shirley Ann Voight, Worthington  
Cynthia Irene Ward, Fremont

# College of Social and Behavioral Sciences

Dean: S. Earl Brown

## Bachelor of Arts

Anselm Anokwu, Owerri, Nigeria  
David L. Ash, Marietta  
David E. Atkinson, Columbus  
Shawn Renee Bateman, Lisbon  
Brent Deane Benjamin, Upper Arlington  
Janice Susan Berke, Lyndhurst  
Amy Ruth Bernstein, Columbus  
Patrick Joseph Berry, Jr., Columbus  
Thomas Randall Blinco, Lewiston, N. Y.  
Leslie Daniel Boggs, Columbus  
Gerald Alan Bower, Columbus  
Lynda Lou Bremenkamp, Columbus  
Neil Everett Brown, Columbus  
Kevin Burke-Green, Kingston, Jamaica

Scott Alan Burris, Point Pleasant, W. Va.  
Cathleen Mary Buzenski, Columbus  
William Eugene Cain, Lima  
John A. Carpenter, Chillicothe  
Wanda Jean Chmielewski, Fairborn  
Myrtle Deanna Choice, Newark  
Millicent Amelia Cobb, Toledo  
Vance LaMont Dixon Cobb, Columbus  
Victoria Ann Cone, Columbus  
John Nelson Crandall, Bay Village  
Phillip C. Crosby, Yellow Springs  
Donald R. Davis, Jr., Columbus  
Cynthia Driver, Columbus  
Frank Edward Duddy, III, Columbus  
Thomas Dumbacher, Cincinnati  
Valorie Lynn Everhart, Coshocton  
Milford Gene Farley, II, Lorain  
Theodore B. Fernald, Columbus  
Joni Elizabeth Fox, Zanesville  
Merily N. Friedman, New Vienna  
Elizabeth Jean Greenslade, Shaker Heights  
Peter Daniel Gribble, North Olmsted  
Marian Martha Hanley, Heath  
Deborah Lou Henney, Columbus  
Stephanie Alicia Hightower, Louisville, Ky.  
John Richard Horne, Upper Arlington  
Jacqueline Ann Housel, Jefferson  
John Jeffrey Hyatt, Ostrander  
Marcia Ellen Hyde, Ashtabula  
Kevin Ranelin Kent, Steubenville  
Mary Lisa Kephart, Columbus  
Ruth Louise Kindinger, Columbus  
Nanette King, Newark  
William A. King, Columbus  
Lora Beth Lance, Custar  
Dorothy Sue Leisher, Akron  
Cynthia Marie Love, Columbus  
Sharon Ann Major, Painesville  
Linda Baker May, Solon  
James Robert McGibeny, Columbus  
Wilson McKee, Columbus  
Karen Ann Miller, Wilmington, Del.  
Cynthia Lynn Milner, Cincinnati  
James Michael Morrison, Columbus  
Mary L. Murtha, Columbus  
Robert Bernard Oberdier, Blacklick  
Dean Scott Oblonsky, Miami, Fla.  
Laura Mary Ohrich, Columbus  
Ernest Neal Peck, Columbus  
Marlene Elissa Rauchman, Cincinnati  
Terri Sue Reynolds, Toronto  
Richard E. Rieser, Grove City  
Michael Anthony Rodgers, Columbus  
Mindy Claire Rodin, Dallas, Tex.  
Kevin G. Rooney, Columbus  
Delphine I. Rucker, Warrensville  
Judy R. Sandman, Costa Mesa  
Mitchell Craig Schneider, Cleveland  
Debra K. Siler, Columbus  
Matthew L. Silver, Sylvania  
Donna Bambi Simone, Aurora  
HenriAnn Valli Sims, Columbus  
Ellen Tracy Smith, University Heights  
Rebecca Lee Smith, Delaware  
Kathleen Ann Smith, Columbus  
Roger A. Snell, Arcanum  
Telisa Y. Snell, Ashtabula  
Ann Jennie Spiri, Cleveland  
David W. Stevens, Preston, Conn.  
Tanya Denise Street, Columbus  
Cheryl R. Sturko, Seven Hills  
John Todd Tataru, E. Canton  
Deborah Lynn Tatum, Columbus  
Julia Anna Turner, Columbus  
Sandra Alice Turner, Newark  
Machele Ann Waid, Bryan  
Alisha Lynn Weller, North Woodmere  
Chris Wessels, Cincinnati

Robin L. Wetzel, Columbus  
David Charles Williams, Brilliant  
John Douglas Wohlgamuth, New Albany  
Mark David Woodruff, Dayton  
Drew Eugene Yaussy, Bucyrus  
Dale Richard Anthony Yurovich, Lorain

### Bachelor of Science

Cynthia Ann Allen, Jackson  
Ronald Guy Bridges, Winterville  
Carl Thomas Cefalu, Akron  
Bobbi L. Foster, Marion  
Karen L. Heise, Grove City  
Teresa Gail Higgins, Morrow  
Roberta Jo Kapp, Columbus  
James C. Long, Columbus  
Dorothy Jean Mitchell, Columbus  
Mary Sloat Roberts, LaRue  
Rhonda Kay Tartt, Columbus  
Robert Thomas VanCleve, Columbus  
Melanie Rose Williams, Chillicothe  
Nancy Wood, Bellaire

### School of Journalism

#### Bachelor of Arts in Journalism

Colleen Marie Andring, North Canton  
Gloria Jean Astorino, Lorain  
Donald G. Balsamo, Nesconset, N. Y.  
Barbara Ann Beatty, Lorain  
David Edward Binkley, Toledo  
Sherri L. Blank, Akron  
Jeffrey Michael Botti, Columbus  
Star Burks, Cincinnati  
Cheryl D. Chapman, Bryan  
Susan E. Condon, Lakewood  
Elizabeth A. Conlisk, Toledo  
Cynthia Halleen Craft, Columbus  
Mark A. Fisher, Beaver Creek  
Kimberly Anne Gallas, Breckville  
Jeff Allen Gehlke, Grafton  
Joanne Christine Gogots,  
North Bellmore, N. Y.  
Holly Talbot Hohas, Columbus  
Donna Lynn Huffman, Winterville  
Mark Andrew Hummer, Columbus  
Christopher William Johnson, Columbus  
Kenneth E. Kraus, Shaker Heights  
Dorothea Renee Larese, Columbus  
Hugh K. Malay, Cincinnati  
Nancy Ann Milenkovich, Columbus  
Christine M. Mines, Warren  
Steven Carl Morales, Campbell  
Mary Sheila Murphy, Fairview Park  
Linda Marie O'Connor, Toledo  
David Richard Priddy, Severnia Park, Mo.  
Jean Marie Shaffer, Grove City  
Christine Ann Solie, Columbus  
Sandra L. Theis, Warren  
Nancy Anne Tracewell, Columbus

## College of Administrative Science

Dean: H. Justin Davidson

### Bachelor of Science in Business Administration

Michael Joseph Aiello, Columbus  
Daniel Ralph Alexander, Columbus  
Susan Kay Allen, Newark  
Bruce Edward Baker, Marietta  
Robert Christopher Ball, Cincinnati  
Barbara Jo Ballinger, Centerville  
David Eugene Barbee, Jackson Center  
Charles Richard Baxley, Columbus  
Benson Scott Beaver, Sunbury  
Paula J. Beckley, Circleville  
Cheryl Ann Bell, Fairview, Pa.  
Leslie Villiger Bell, Arlington, Va.  
Brian Keith Berg, Dayton  
Kenneth Alan Bigley, Groveport  
Sami Ahmed Binmahfooz, Columbus  
David Rolf Boe, Columbus  
Joseph Vincent Boffo, Columbus  
Joseph Nicholas Botti, Columbus  
Robert Marcel Bouchard, Dover  
Drew Alan Bourne, Buckeye Lake  
Samia Farid Boutros, Lebanon  
Linda Elizabeth Bowers, Columbus  
Brad Nathan Brewster, Painesville  
William Connelly Brodegard, Woodsfield  
Peter Michael Brown, Lakewood  
Walter Henderson Brown, Pataskala  
Thomas Nicholas Brozovich, Flushing  
Anne Marie Bunstine, Columbus  
Stephen Dale Burcham, Proctorville  
Bobby Joe Burke, Pittsburgh, Pa.  
Chestey Guy Casagrande, Alliance  
Cynthia Sue Casto, Belpre  
Jerry D. Chambers, Columbus  
Helen Davidson Chapman, Wilmington, Del.  
Rick L. Cohen, Moreland Hills  
Anne Marie Corsiglia, Fairport, N. Y.  
Kevin Todd Coyne, Newark  
Michael Crawford, Columbus  
Timothy Earl Crawford, Dayton  
Robert William Crooks, Columbus  
William Campbell Crusey, Centerville  
Andrew W. Culberson, Avon Lake  
Michael James Cunningham, Portsmouth  
Matthew Richard Curren, Columbus  
William Allen Davidson, Columbus  
David John DeFrank, Madera, Calif.  
Mark Richard Delaney, Dayton  
Denis Deliz, Kenton  
Jerome Thomas Dieringer, Defiance  
John DiPangrazio, Columbus  
Sheryl Lynn Dixon, Danville  
James Charles Dowley, Columbus  
Raymond D. DuBois, Waynesburg  
Thomas Joseph Duffy, Columbus  
Michael Lee Eberst, Westerville  
Lawrence Guy Eckles, Pickerington  
Alexandra Economou, Willowick  
Jeff A. Edelstein, Bexley  
Sandra Jeane Endter, Worthington  
Thomas Michael Farrell, Columbus  
William Leonard Fetter, Newark  
Joel C. Fisher, Napoleon  
Mark Robert Fox, Columbus  
Gwendolyn Denise Funchess, Sumter, S. C.  
Kathryn J. Galpin, Columbus  
David James Gibb, Columbus  
Clyde Abraham Gilbert, II, Columbus  
Thomas William Giller, Columbus  
Kevin Herald Goddard, Martins Ferry  
Carl Gilbert Godshall, Jr., Sunbury  
Mark Edward Graber, Centerville  
James Bernard Graham, Newark  
Timothy Alan Gregory, Marysville  
Thomas Dane Guthell, Grove City  
Stephen Earl Hall, Columbus  
John Lance Hardy, Toronto  
Alan Jay Harloe, Cincinnati  
Scott Herman Haslam, Burlington, Vt.  
John David Hattey, Canal Winchester  
Mark Nelson Heacosy, Westerville  
Kay Ellen Hechesky, Columbus  
Eric Jay Heiss, Wickliffe  
Julie Day Henry, Columbus  
Michael K. Hiatt, Columbus  
Kenneth Douglas Hoffman, Warren  
Debra M. Homan, Coldwater  
Rehelle DeVictor Horn, Columbus  
Edward John Hornyak, Parma  
Victoria Lynn Howell, Mansfield  
Jeffrey W. Hutchison, Columbus  
Mark Joseph Iannarino, Worthington  
Frank J. Iezzi, Jr., Galena  
Michael Lee Inscore, Mansfield  
Mark A. Janer, Buffalo, N. Y.  
Edward Alan Jobs, Newark  
Aimee Patrice Johnson, Mansfield  
John Warren Johnson, Columbus  
Matthew C Johnson, Marietta  
Donald Kevin Jones, Columbus  
Keith Brent Jordan, Westerville  
Thomas M. Jordan, Columbus  
Steven Frank Kalski, University Heights  
George Karpathakis, Martins Ferry  
Murray Keith Katz, Cleveland  
John A. Keough, Lakewood  
Jack Darnall Kerr, Dayton  
Martin Clarence King, Columbus  
Stuart Allen King, Pittsburgh, Pa.  
Branson Allen Kitzmiller, Columbus  
James Evans Knab, Columbus  
Rex Earl Knechtly, Centerville  
Stephen Richard Knight, Warren  
Joel B. Kratzer, Cincinnati  
Karen Yvonne LaMarr, Columbus  
Peter Charles LaPointe, Columbus  
Paul Edward Lauzau, Strongsville  
William A. Lawn, Columbus  
Dana Floyd Lee, Shaker Heights  
Donald Eugene Leech, Mansfield  
Gary Roscoe Lees, Centerville  
Gary Alan Leist, Houston  
Charles William Lewis, Warren  
Pamela Sue Lewis, Belpre  
Paul W. Litzinger, Columbus  
Scott Gordon Livingston, Columbus  
Susan Diane Lord, Galena  
Teresa Gay Mackie, Mt. Vernon  
Gregory Charles Maisenbacher, Columbus  
Jayne Marie Marchant, Washington C. H.  
Stephen C. Martin, Dayton  
Carol Lee Matson, Wheeling, W. Va.  
Richard Brian McAdams, Lima  
Joseph Stephen McCann, Columbus  
Patricia Jill McDonald, Columbus  
Theresa McDonald, Tipp City  
Kevin Thomas McKee, Cincinnati  
Thomas Joseph McLeer, Columbus  
Stephen Neal McVey, Columbus  
Thomas Arthur Mellert, Columbus  
Coreen Eldean Meunier, Columbus  
Jack B. Midkiff, Steubenville  
Richard Scott Minniear, Sidney  
John Anthony Mocker, Jr., Canfield  
Mary Louise Monsour, Columbus  
Kenneth Michael Moreland, Columbus  
Mark Myhal, Parma

Vikki Lynne Niswonger, Columbus  
 Cheryl Rae Ohel, Freehold, N. J.  
 Guillermo F. Paganini, Dayton  
 Thomas James Payne, Sandusky  
 Carol Ann Petti, Columbus  
 Gerald Raymond Phelps, Sylvania  
 George Anthony Piacentino, Marion  
 Kathy Jane Pitts, Columbus  
 Richard Lance Potts, Columbus  
 Robert William Radler, Mansfield  
 Cecil Frederick Rake, Columbus  
 Dorkasnelia C. Ramos, Cleveland  
 Russell Scott Randall, Cypress, Tex.  
 Lauren Rechichar, Vermilion  
 Thomas Albert Riemenschneider, Westlake  
 Mark Zeller Robbins, Columbus  
 Chris Allen Roberts, Dayton  
 Michael Joseph Saccucci, Toledo  
 Robin Priest Sanderson, Newark  
 Richard James Sanfrey, Niles  
 Julie Ann Sberna, Circleville  
 Jon B. Schmidhammer, Columbus  
 Peter E. Schofel, Livingston, N. J.  
 Robert Ross Schram, Findlay  
 Frank Joseph Seida, Pittsburgh, Pa.  
 Bruce Richard Scodova, Mansfield  
 Rhonda DeVonne Semmel, III, Wyoming, Md.  
 John William Semmel, III, Wyoming  
 Charmaine Teresa Sheldt, Cincinnati  
 Jeffrey Scott Smith, Kettering  
 Thomas Keith Sneed, Trotwood  
 Carl Rodney St. Clair, Columbus  
 Christa Deanna Stephens, Indianapolis, Ind.  
 Michael J. Stiller, Akron  
 Donald Ray Stone, Columbus  
 Agnes Yon Sunwoo, Columbus  
 Glenn Lloyd Taflan, Bridgeport  
 Calvin Kenneth Taylor, Reading  
 Gary Dean Umstatt, Columbus  
 Eric Randall Volpe, Hillsdale, N. J.  
 Nancy Ellen Weisenbach, Columbus  
 Phillip Melvin Wenner, Bucyrus  
 James Benjamin Westlake, II, Gratiot  
 Kenneth Whitehead, Westlake  
 Paul Michael Wilcox, Elyria  
 Douglas Brian Wileman, South Bend, Ind.  
 David Charles Willer, Fremont  
 Andrew Robert Williams, Columbus  
 Mark William Wonus, Findlay  
 Lu Ann Mary Wright, Mount Gilead  
 Steve Karl Wu, Marion  
 Tommy Wing Yee, Columbus  
 Brent Edward Young, Ormond Beach, Fla.  
 Jaun C. Yubero, Mansfield  
 Raymond P. Zack, Columbus

### Bachelor of Science in Labor and Human Resources

John Alan Cowgill, New Carlisle  
 Robert Kent Diebel, Cincinnati  
 Marlaina Fisher Eblin, Columbus  
 Sandra Rae French, Lyndhurst  
 Christopher Roger Keppler, Hamilton  
 Kimberly Marie Schave, Warren

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

### Bachelor of Science in Agriculture

Michael Keith Adams, Sykesville  
 Robert Loven Adams, Springfield  
 Donald Carson Antram, Lewistown  
 David Dean Baird, New Philadelphia  
 Thomas John Belanger, Bay Village  
 Keith Allen Biehl, North Royalton  
 Daniel Eugene Bline, Mechanicsburg  
 Frank Stephen Bowling, Circleville  
 Robert James Bowman, Canal Winchester  
 Lee Alan Brown, Grand Rapids  
 Steven Edward Burk, Columbus  
 Judy Ann Burns, Euclid  
 John William Cajka, Bowling Green  
 Anthony Peter Capatosto, Columbus  
 Leanne Carpenter, Cortland  
 Debra Sue Chaffin, Dayton  
 Elisabeth Ann Curry, Columbus  
 Thomas Bossert deHaas, Jr., Euclid  
 Samuel Edward Duff, Springfield  
 William Arthur Duff, Springfield  
 Laurie Margaret Dussing, Norwalk  
 David Young Parrell, Warren  
 Patsy Ann Ford, Cincinnati  
 Jeffrey Thomas Freppon, Cincinnati  
 Ed Dale Funderburgh, Woodstock  
 Michael John George, Newark  
 Charlsie Wagner Green, Columbus  
 Michael Lee Hall, Columbus  
 Norman Eric Hansen, Leamington, Ontario, Canada  
 Joyce Ellen Harsh, Delaware  
 Lloyd Gregory Haupricht, Swanton  
 Kim Patrick Horton, Westchester  
 Brian Lee Huffaker, Troy  
 Vickie Darlene Hundley, Columbus  
 Kevin Kemper Jeffrey, Bellefontaine  
 Gregory Allen Johnson, Orrville  
 Michael Joseph Johnson, Akron  
 Kelly Jean Jones, Cambridge  
 John Gibson Joseph, Bucyrus  
 Laura Parks Kiser, Dayton  
 Nicholas Joseph Kray, Parma  
 Michael Robert Lawler, Jackson  
 Zenon Lis, Garfield Heights  
 Richard Jay Lonstein, Worcester, Mass.  
 Estelle Marie MacInnis, Centerville  
 James Herbert Maddox, Lakewood  
 Herrick Alden Mann, Cleveland  
 Angela Marie Mattison, Columbus  
 Noel Thompson McDaniel, Woodstock  
 Daniel Jeffery Messerall, Madison  
 Frederick Joseph Meyer, Hicksville  
 Donald Joseph Miller, Delphos  
 William James Miller, Monroeville  
 Thomas Henry Mittelkamp, Lima  
 David Edward Motta, Grafton  
 David Allan Mussard, Mt. Vernon  
 Michael Jack Myers, Fremont  
 Steven Arthur Neff, Bucyrus  
 Ayotunde Nathaniel Oyelakin, Kwara, Nigeria  
 Gale Leslie Parks, Rinard Mills  
 Mary Louise Pearce, Columbus  
 Brent Douglas Philbrook, Cardington  
 Bradley David Phillips, Berlin Heights  
 David Michael Prochaska, Findlay  
 Mark Bernard Przybyszewski, Erie, Pa.  
 Michael Eugene Ramsey, Rushsylvania

Dale Owen Reno, Clyde, N. C.  
 David L. Ritchie, Columbus  
 Paula Jo Rossler, Columbus  
 Paul Hulse Russell, Williamsport  
 Michael Vincent Savage, Bellevue  
 Marilee Elizabeth Schneider, Parma  
 Kenneth Charles Schriber, Grafton  
 Debbie Robin Sealing, Coral Springs, Fla.  
 Kevin Richard Sheppard, Racine  
 Jeffrey Michael Shields, Worthington  
 Patti Ann Shiflet, Columbus  
 Donald Frederick Smith, Upper Arlington  
 Michael Sharon Snowden, Wayne  
 Steven Jay Speck, Bowling Green  
 Joseph Allen Steiner, Lebanon  
 Judith Ann Stolz, Blacklick  
 Robert Lee Thurman, Jr., Urbana  
 Steve Andrew Tirpak, Columbus  
 Richard Michael Wagner, North Merrick, N. Y.  
 John Howard Weaver, Kansas  
 Kim Adair Weiss, Botkins  
 Jay Craig Weitbrecht, Greenville  
 Patrick Michael Williams, Waterville  
 Brian James Yoder, Toledo  
 Lee Scott Zehentbauer, Hanoverton  
 Darren Joel Zucker, Powell

### Bachelor of Science in Food Science

Jeffrey Joseph Berus, Akron  
 Michael Lee Hurlow, Mt. Vernon  
 Mary Jo Mattei, Columbus

### Bachelor of Science in Nutrition

Aurilia Nelida Jordan, Patriot  
 Patricia Lynn Sawaya, Mt. Vernon

### School of Home Economics

#### Bachelor of Science in Home Economics

Carol S. Adams, Columbus  
 Pamela Anne Ashby, Columbus  
 Deborah Lynn Baker, Lancaster  
 Lynn Mills Baumgardner, Dayton  
 Carol Lynn Bennington, Columbus  
 Nancy Margaret Bigler, Columbia Station  
 Teresa Boyer, Worthington  
 Pamela Sue Brown, Canfield  
 Christi Lee Clodfelter, Worthington  
 Lisa Ann Ebner, Columbus  
 Cheryl Beth Elliott, Newark  
 Gayle Elaine Henry, Columbus  
 Amy Jo Hiegel, Van Wert  
 Janette Elizabeth Hobor, Galena  
 Gwen Alice Holsapple, Columbus  
 Debra Lou Hume, Columbus  
 Bonnie Ray Jones, Powell  
 Lisa Anne Kiger, Columbus  
 Jacquelyn S. Kosel, Sandusky  
 Cara Sue Lauener, Fredericktown  
 Beverly Anne Livingston, Clearwater, Fla.  
 Bonnie J. Long, Cleveland  
 Mary Kathleen Long, Middletown  
 Susan Benedict Mastrangelo, Willoughby  
 Anita Louise Morrison, Columbus  
 Rosemarie Newman, Worthington  
 Lori Sue Oesch, Shelby  
 Rhonda Marie Rhoades, Versailles

Ann Elizabeth Salvador, Columbus  
Janice Neville Seay, Columbus  
Christa Shoup, Columbus  
Denise Elaine Smith, Columbus  
Diane Carole Spitzer, Granton  
June Carol Taylor, Cleveland  
Lynnanne Tharp, Lakewood  
Nancy Marie Ross Thompson, Columbus  
Marcia F. Van Saun, Fayetteville  
Catherine Ann Weber, Columbus  
Judith Jean West, Conway  
Sandra Kay Williamson, Defiance  
Lauren Fisk Wilmot, Rochester, Mich.

#### Bachelor of Science in Nutrition

Melba Margo O'Neal-Smith, Columbus

#### School of Natural Resources

##### Bachelor of Science in Natural Resources

Elisabeth Ann Allinikov, Yellow Springs  
Kyle James Andrews, Columbus  
Cheryl Ann Arnold, Dayton  
Ronald Mark Barwig, Willoughby Hills  
Clark Robert Bentley, Columbus  
Leonard Paul Black, Columbus  
Rita G. Carnes, Columbus  
Jeffrey Mark Curtis, Columbus  
Timothy Michael Day, Columbus  
Randy Michael Deehr, Berlin Heights  
Kenneth Carl Dunn, Georgetown  
Daniel Lee Edwards, Columbus  
Michael Lee Eggert, Columbus  
Frank Giannola, Columbus  
Annette Marie Giere, Coldwater  
Kenneth Ray Hall, Columbus  
Richard Paul Haskins, Marietta  
Stuart Mason Helmsintoller, Loveland  
Robert Nelson Hickok, Rocky River  
Jeffrey Lee Hitzel, Columbus  
Thomas Richard Horner, Springfield  
Janet Lynn Hubbard, Columbus  
William Robert Jonard, Caldwell  
Maria Evelyn Kovacs, Mansfield  
Timothy W. Lambert,  
Farmington Hills, Mich.  
John Rogers Lane, Lakeside  
Robert Stacy Lane, Lancaster  
David William Lees, Lakewood  
Craig John Lilly, Dayton  
William David Meyer, London  
Kevin Richard O'Brien, Canton  
Carolyn Ann Pories, Columbus  
John Joseph Sabo, Amherst  
James Alan Satava, Chagrin Falls  
Brett Thomas Scharringhausen, Columbus  
Victoria Foster Scott, Westerville  
Scott Robert Terhune, Chagrin Falls  
Marc Howard Theodore, Centerville  
Janet S. Todd, Kettering  
Jill Shirley Walker, South Euclid  
Martin Leroy Webb, Ostrander  
Daniel Lee West, Columbus  
Louwana Jane Whitlow, Milton, W. Va.  
Christopher Edwin Woodruff, Dayton

## Agricultural Technical Institute-Wooster

#### Associate in Applied Science

Nathan Mark Baltzly, Beach City  
Carl David Boggs, Springfield  
Moira Patrice Bowers, Columbus  
Jeffrey Donald Bowman, Heath  
Deborah Kay Brabbs, Cincinnati  
Gregory Lee Clem, Elyria  
Daniel Harrison Elwood, Ada  
Marjorie Lois Ewart, Salem  
Arden Leo Gill, North Canton  
Patrick Gerard Griffin, Cincinnati  
Jeffrey Lee Horn, Wharton  
Dale Ralph Hulit, Mansfield  
Karl Francis Kanehl, Wooster  
Miranda Jane Kelly, Lewisville, N. C.  
John Kenneth Kocher, Girard  
Dale Richard Libben, Port Clinton  
Douglas Lee McDorman, North Lima  
David Frederick McGinnis, Toledo  
James Bryan Mosman, Nevada  
Sean Dennis Mullarkey, Cincinnati  
Glen Lyman Newcomer, Bryan  
Jeffrey Carl Mortensen, Milan  
Alejandro Roman Nicol,  
Guatemala, Guatemala  
Martin Bryant Olshawksy, Senecaaville  
Lee Alan Orians, Carey  
Matthew Houston Peart, Wooster  
Richard Albert Poirier, Jr., Franklin  
Karen Mae Quinn, Middlefield  
David Paul Richards, Toledo  
Frederick Lawrence Saur, Jr., Lakewood  
Gerald Eugene Senn, Attica  
Ronald Lee Shaw, Chillicothe  
Robert Paul Sieving, Butler  
Ralph Kevin Smith, Canal Winchester  
Michael Roger Spies, Dover  
Bruce Ralph Stacy, Marietta  
Max Kenneth Stotz, Edgerton  
John Matthew Wade, Newark  
Kathi Danielle Weaver, Belpre  
Grace Rosena Yaussy, Bucyrus  
Richard Alan Zellers, Hartsville

Rachel Naomi Clum, Lafayette  
Lu Ann Conkel, Sciotoville  
Mindy Rae Cooper, Lexington  
Dawn Allen Darby, Pickerington  
Candace Joy DeLong, Pataskala  
Jeffrey Allen DeMatisis, Columbus  
Paul Michael Dodsworth, Columbus  
Joseph Peter Dunlevy, Columbus  
Susan Marie Durkin, Dayton  
Amy Jane Edwards, Dayton  
Michael Fredrick Eier, Findlay  
Michael G. Evans, Whitehall  
Karen Faye Farris, Columbus  
Cynthia Lu Faulkner, Shiloh  
Janet Louise Feldhaus, Reading  
Deborah Sue Ferguson, Columbus  
Karen Sue Finn, Elida  
Helen Louise Fisher, Xenia  
Lori Ann McClenathan Flaglor, Mt. Gilead  
Edith Geneva Fleming, Columbus  
Evelyn Carol Fort, Mansfield  
Cara Lisa Fortunato, Youngstown  
Susan Lee Freed, Glenside, Pa.  
Colleen Suzette Fullenkamp, Bucyrus  
Barbara Marie Gibbons, Cincinnati  
Susan Kay Gossard, Lima  
Joni Lynn Grove, Bremen  
Carl Jane Haendiges, Parma Heights  
June Hoam Hagan, Mansfield  
Leslie Ann Hagy, Huron  
Martha Elizabeth Harrell, Curtice  
Rebecca Lynn Harrison, Cincinnati  
James Preston Haskins, West Jefferson  
Peggy Sue Hinton, Columbus  
Tamra Dawn Hockenberger, Toledo  
Richard Glenn Holliday, Westerville  
Annette Howell, Columbus  
Kathryn Jean Hulsey, Lima  
Charles Glenn Hunter, III, Newark, Del.  
Loree B. Johnson, Washington C. H.  
Debra Marie Jordan, Cleveland  
Lukas Paul Kareklas, Columbus  
Margaret K. Kearns, Columbus  
Shonette Lynne Kelley, Columbus  
Ann Elizabeth Koch, Lima  
Brigitte Kuelgen, Cleveland  
Vikki Lou Lancia, Columbus  
Ronald James Landis, Columbus  
Daniel Joseph Lindsay, Columbus  
Kim Ellen Lippy, Columbus  
Dawn Marie Logan, Zanesville  
Karen Marie Luhring, Sycamore  
Mark Anthony Mangini, Columbus  
Laurie Ann Marburger, Columbus  
Laure Lee Marcellus, Rumson, N. J.  
Craig Donald Marcus, Columbus  
Barbara Jayne Mathews, Dayton  
Mark Gus McKimmins, Gahanna  
Toni Lynn McLarnan, Columbus  
Tamara Jo McPherson, Columbus  
Susan Marie Meaney, Conneaut  
Eleanor Joan Mendell, Columbus  
Catherine Helen Miller, Columbus  
Charles Anthony Miller, II, Columbus  
Myrna Leona Moore, Columbus  
Carolyn Sue Myers, Newark  
Susan Marie Nash, Kent  
Gay Ann Nibert, London  
Theresa Ann O'Connor, Worthington  
Jacquelyn Darlene Orebaugh, Gomer  
Brenda Marcia Ostrow, Cincinnati  
Becky Jean Peoples, Lexington  
Susan Marie Pieraccini, Elida  
Deborah Lee Port, Columbus  
Amy Follas Prichard, Van Wert  
Rosalynd Ann Quaranta, Columbus  
John Andrew Reith, Shelby  
James Edwin Ross, Sherwood  
Danner Mahood Rugg, Columbus

## College of Education

Dean: Robert A. Burnham

#### Bachelor of Science in Education

Vivian Eileen Allison, Detroit, Mich.  
Kevin Clark Alkire, Columbus  
Rachel Ann Allen, Lima  
Cora Ann Baddorf, Bucyrus  
Kathi Lynn Barnett, Mt. Gilead  
Brian Bradley Beatty, Newark  
Melanie Williams Behr, Wapakoneta  
Karen Utzinger Bentley, Grove City  
Zsuzsanna Katalin Bondor, Marion  
Lynne Marie Borrelli, Mansfield  
Joseph John Bressler, Steubenville  
Robert Dale Brewster, Orchard Lake, Mich.  
Dorothy Jane Broadbent, East Liverpool  
Patricia Leigh Bruns, Dayton  
Stanley Clinton Burger, Columbus  
Judell Lee Butler, Columbus  
Angela Rae Gatta Byrom, Columbus  
Elizabeth Ann Choep, Columbus

Jill Beth Rusnak, Youngstown  
Donna Jean Rutherford, Marion  
Mark Allan Salisbury, Columbus  
Barbara Ann Schwartz, Pittsburgh, Pa.  
Janet Lutz Seward, Lima  
Frederic Alan Shurr, Springfield  
Deborah Sue Sipes, Marion  
Deborah Ann Smith, Reynoldsburg  
Verlin Andy Smith, Columbus  
Susan Marie Snyder, Whitehall  
Linda Bender Strahm, Bluffton  
Joy Ellen Tharp, Ashland  
Susan K. Turner, Harrod  
Lori Beth Van Gorden, Marion  
Tami René Vordenberg, Springboro  
Marc R. Waldie, Columbus  
Susan Beth Welch, Wellington  
Cassandra Elizabeth Wentt, Columbus  
Suellen Kay Higgins Whiteside,  
Mt. Sterling  
Carmelina Whitman, Toledo  
Diana Lee Wiese, Lexington  
R. Anne Wilkinson, Wilmington  
Carol Ellen Wood, Columbus  
Debra Ann Zimmer, Bethel

**Bachelor of Art Education and  
Bachelor of Music Education**  
degrees are offered jointly by the  
College of the Arts and the  
College of Education.  
Candidates are listed under  
College of the Arts.

## College of Engineering

Dean: Donald D. Glowor

### Bachelor of Science in Aeronautical and Astronautical Engineering

Patricia Jenine Carr, Worthington  
Michael John Flanagan, Jr., Bedford, Mass.  
Mark William Goodin, North Canton  
Michael Anthony Grant, Panaca, Nev.  
Francis A. Mansfield, Columbus

### Bachelor of Science in Agricultural Engineering

Brian Lee Bursiek, Bowling Green  
Philip Robert Keegan, Moscow  
William R. LaFollette, Lima  
Bruce Evan Menghini, Reynoldsburg

### Bachelor of Science in Ceramic Engineering

Eric Bright, Columbus  
Paul Michael Glaser, Granville  
Timothy Michael Pattison, Kettering  
Ronald L. Quick, Columbus  
Martin William Weiser, Canal Winchester

### Bachelor of Science in Chemical Engineering

Richard Glenn DeWitt, Galion  
Edwin Scott Tittle, Harrisburg, Pa.  
Jesus M. Urdaneta, Maracaibo, Venezuela

### Bachelor of Science in Civil Engineering

Cleve Newton DeVault, Columbus  
Robert W. Everett, Columbus  
J. Christopher Ey, Columbus  
Robert McClure Foster, Centerville  
James Philip Garrison, Skillman, N. J.  
Dennis Patrick Hagan, Thornville  
Jeffrey Michael Kelly, Burbank  
Leonard George Kutney, Mansfield  
Gregory Dennis Lewis, Columbus  
David Brian Mackey, Groveport  
Oliver Gregory McGee, Columbus  
Douglas Edgar Mill, Butler  
Mark Alan Pardi, Columbus  
Deale Reisinger, Vermilion  
Dean Carter Ringle, Findlay  
Amy Elizabeth Steiner, Dayton  
Benjamin Joel Strick, Lorain  
Stephen Edward Thomas, Waverly  
Terri Louise Thomas, Youngstown  
Philip Draffan Wisdom, Mansfield  
Pun Cheuk Yiu, West Point, Hong Kong

### Bachelor of Science in Computer and Information Science

Stuart Sheldon Bedoll, Lyndhurst  
Daniel Joseph Cory, Worthington  
Gary Lee Dayton, Delaware  
David James Frea, Orient  
Heidi Marie Hirzel, Northwood  
Thomas Carl Kohls, Fort Jennings

### Electrical Engineer

Joseph Michael DeKold, Kettering

### Bachelor of Science in Electrical Engineering

Brenda Arlene Babb, Fostoria  
James Kevin Badgley, Grove City  
Enrique Barbieri-Iannucci,  
Merida Edo Merida, Venezuela  
Steven Robert Blahnik, Columbus  
Richard Franklin Butts, Jr.,  
Mayport Naval Station  
Daniel John Cammarn, Columbus  
Bradley Dean Clymer, Findlay  
Carlos Edward Emmons, Bogota, Colombia  
Donald S. Gelosh, Connelleville, Pa.  
Bret Stephen Guilford, Hicksville  
David Allan Gutow, Cleveland Heights  
John Steven Hoover, Columbus  
Thomas Frank Laqatta, Dover  
Francis Lawrence Leard, Columbus  
Charlton David Lewis, Cincinnati  
Tarek Hasan Makkawi, Sidon-Lebanon  
Jefferson Edgar Odhner, Bryn Athyn, Pa.  
Richard Alan Peszlen, Columbus  
Mark Pukita, Poughkeeps, N. Y.  
Jonathan Howard Riley, Columbus  
Stephen Morgan Rowlands, Worthington  
James William Watson, Columbus

### Industrial Engineer

David John Neuhardt, Westerville

### Bachelor of Science in Industrial and Systems Engineering

Rajeeva Lochan Bajpai, Columbus  
Douglas Eugene Darrow, Columbus  
Charles Richard Flasch, Cincinnati  
Michael David Grimes, Middletown  
Robert Keith Groselle, Columbus  
Shahid Jamal Haque, Karachi, Pakistan  
Larry Alan Hart, Columbus  
Bruce Allen Lahman, Fostoria  
Karen Decker Leard, Columbus  
Thomas Richard McDonald, Columbus  
Tim E. Proos, Grand Rapids, Mich.  
James Dean Wade, Galloway

### Bachelor of Science in Mechanical Engineering

Moiz Baig, Gahanna  
Michael William Baker, Fairborn  
Michael W. Belcher, Dayton  
Lawrence Michael Berg, Dayton  
Randal Lee Bergstedt, Liberty Center  
Martin David Bever, Somerset  
T. Frank Brown, Jr., Stockdale  
Robert Joseph Button, Springfield  
Russell Allyn Davis, Odessa, Fla.  
Steven Michael Doerman, Columbus  
Rex Paul Doyle, Industry, Pa.  
Ronald Anthony Hatem, Columbus  
Joseph John Kienle, Columbus  
Margaret Mary Ladd, Middleburg Heights  
Michael Patrick Lewis, Grove City  
Che-Kuang Jeff Lin, Cerritos, Calif.  
Timothy Francis Lipari, Akron  
Martha Kim Michal, Columbus  
Jeffrey Burton Ohlemacher, Elyria  
Dean Allen Rankey, Arlington  
James N. Reinhold, Jr., Cincinnati  
Mark Edward Rowland, Columbus  
Ronald Charles Rubrecht, Cincinnati  
Thomas Stone Sipher, Westerville  
David Earl Sleppy, Dayton  
Steven Kenneth Smith, Columbus  
Paul Hudson Stevens, Columbus  
Charles DeWayne Walton, Columbus  
James Alan Wilson, Franklin

### Bachelor of Science in Metallurgical Engineering

David Myron Lineman, Columbus  
Donald Scott MacKenzie, Nashville, Tenn.

### Bachelor of Science in Surveying

Larry Gene Long, Columbus  
David Earl Lutz, Shelby  
Dean Carter Ringle, Findlay  
Peter John Sidoti, Jr., Lyndhurst

### Bachelor of Science in Welding Engineering

Arno Robert Bebernitz, Jr., Ontario, N. Y.  
Steven Brent Houseman, Bainbridge  
Joseph John Kwiatkowski, Toledo  
Michael William Tecklenburg, Troy



## School of Architecture

### Bachelor of Science in Landscape Architecture

Ernest Raphael Buzenski, Columbus  
Barry Thomas Gano, Salem  
Robert Jay Marinko, Willoughby  
Mary Elizabeth Murray, Middletown

## College of Medicine

Acting Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

Dennis Frank Bambach, Westlake  
B.A. (Ohio Wesleyan)  
Marian Patricia Droba, Warren  
B.S.  
Richard Kopolovic, Columbus  
B.S. (Ohio University)  
Joseph Thomas Kutsko, Youngstown  
B.S.  
Juanita Marie Murawski, Cuyahoga Falls  
B.S.  
Donald Lee Sharps, Cuyahoga Falls  
B.A. (Case Western Reserve University)  
David Samuel Weiland, Cincinnati  
B.S. (Georgetown University)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Pauline Elizabeth Allen, Columbus  
Gerald Lee Davis, Shelby  
Judith Anne Lilienthal, Cambridge  
Sheryl Ann Ogden, South Charleston  
Daniel William Poff, Lancaster  
Christine Mary Redie, Akron  
Linda Engeswick Sorg, Brookfield, Wis.  
Linda Sue Sterling, Granville  
Lisa Pugh Zangmeister, Lima

## School of Nursing

### Bachelor of Science in Nursing

Joyce Marie Bennett, Independence  
Scott Jude Chandler, Columbus  
Nancy Crerand, Columbus  
Allen Gregory Deam, Columbus  
Catherine Karelka Gout, Tampa, Fla.  
Jeannette Ann Gruszecki, Hanoverton  
Kathleen Harper, Columbus  
Laurie Ann Hixson, Girard  
Erin Marie Kelleher, Alliance  
Idamarie Kosmach, Latrobe, Pa.  
Warren Stewart MacPherson, Columbus  
Donna Steele McMillen, Columbus Grove  
Mary Jo Modica, Lima  
Danny Leonard Moranz, Cleveland  
Karen Marie O'Hern, Cincinnati  
Penny Anne Rall, Lakewood

Anne Marie Rawlings, Fairview Park  
Marty Dale Resnik, Cleveland  
Cheryl Anne Rosa, Hudson  
Valerie Kathleen Sarr, Madison  
Teresa Marie Senatore, Bellaire  
Teresa Ann Shepherd, Cleveland  
Patricia Ann Stalmah, Lakewood  
Durell Vincent Trago, Shelby  
Susan Lorraine Vandlik, Findlay

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Kimberley Benton Bevan, Columbus  
Valerie Beams Bookwalter, Fremont, Ind.  
Timothy Charles Hammond, Alliance  
James Robert Mariotti, Lowellville  
Carol Ann Quattrone, Steubenville  
James Rodney Schneider, Cincinnati  
Joseph Anthony Talarico, Yorkville

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Jane Ann Asher, Wilmington

## Graduates with Honors

### With Distinction in Animal Science

Laura Parks Kiser

### With Distinction in Dairy Science

Charlsie Wagner Green

### With Distinction in Fisheries Management

Christopher Edwin Woodruff

### With Distinction in Natural Resources Development

Leonard Paul Black

Daniel Lee Edwards

### With Honors in the Liberal Arts

Mitchell Craig Schneider

## Cum Laude

Carol Steinbauer Adams  
Pauline Morse Allen  
David Eugene Barbee  
Sherri L. Blank  
William Connelly Brodegard  
Cynthia Lee Butcher  
Michael Fredrick Eier  
Marjorie Lois Ewart  
Evelyn Carol Fort  
Douglas Gibson Gardner  
Annette Marie Giere  
Timothy Charles Hammond  
Norman Eric Hanson  
Bruce Alan Hartsough  
Peggy Sue Hinton  
Tamra Dawn Hockenberger  
Daniel Lane Hood  
Jeffrey Lee Horn  
Victoria Lynn Howell  
Danel John Hucko  
Bonnie Ray Jones  
Michael Anthony Kuharik  
Carol Lee Matson  
Joseph Stephen McCann  
Mary Jo Modica  
Susan Marie Nash  
Guillermo F. Paganini  
Penny Anne Rall  
Paula Jo Rossler  
Calvin Kenneth Taylor  
Elisabeth C. von Carlowitz  
Tami René Vordenberg  
Jill Shirley Walker  
Nancy Ellen Weisenbach  
Susan Beth Welch  
Carmelina Whitman  
Douglas Brian Wileman  
Lee Scott Zehentbauer

### Cum Laude with Distinction in Agricultural Economics

Steven Arthur Neff

### Cum Laude with Distinction in Environmental Education

Cheryl Ann Arnold

### Cum Laude with Distinction in Horticulture

Estelle Marie MacInnis

### Cum Laude with Distinction in Wildlife Management

Stuart Mason Helmintoller

## Summa Cum Laude

Cora Ann Baddorf  
Robert Christopher Ball  
Barbara Jo Ballinger  
T. Frank Brown, Jr.  
Anne Marie Bunstine  
Judell Lee Butler  
Elisabeth Ann Curry  
Kathleen Harper  
Michael J. Huels  
Michael Lee Inscore  
Matthew C. Johnson  
David Myron Lineman  
Jacquelyn Darlene Orebaugh  
Bradley David Phillips  
Mark Fukita  
Max Kenneth Stotz  
Suellen Kay Higgins Whiteside  
Carol Ellen Wood

### Summa Cum Laude with Distinction in Horticulture

Vickie Darlene Hundley

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-SEVENTH MEETING  
OF THE BOARD OF TRUSTEES

Marion, Ohio, April 3, 1981

The Board of Trustees met at its regular monthly meeting on Friday, April 3, 1981, at Morrill Hall, The Ohio State University Marion Campus, Marion, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, and Daniel M. Galbreath.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

April 3, 1981 meeting, Board of Trustees

### INTRODUCTORY COMMENTS BY PRESIDENT ENARSON

Mr. Chairman and Members of the Board, before I move into the formal agenda, I would like to say on behalf of our staff members who are here today and the faculty and staff that are not here today, and on behalf of the Board, how much we appreciate being here on the Marion Campus. This is an integral part of The Ohio State University. I think these annual visits to one of the regional campuses are extremely important, not only in the substantive terms--in terms of what we learn--but also in symbolic terms. I wish it were possible to come back--for the Board and the Administration to come back more often, but you must remember that this large house has many rooms in it, of which Marion is one.

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### RESOLUTIONS IN MEMORIAM

Resolution No. 81-95

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Galbreath, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Samuel P. Daykin

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 20, 1981, of Samuel P. Daykin, Associate Professor Emeritus of the College of Social Work.

Mr. Daykin was born May 8, 1911, in Taylorville, Illinois. He graduated from Taylorville Township High School in June 1928, from the University of Illinois in 1932 with a Bachelor of Arts degree in sociology, and from Washington University with a Master of Social Work degree in 1950. In 1956 he earned a Doctorate in Social Work from the same institution. He began his career with The Ohio State University in 1961 as an Associate Professor in the College of Social Work where he continued to serve until retirement in 1977.

Dr. Daykin's services at The Ohio State University were preceded by a distinguished career in the armed services. Retiring from the services as a Lieutenant Colonel, Dr. Daykin distinguished himself by meritorious service as Chief of Professional Services, 3320th Retraining Group, Amarillo Technical Training Center, Amarillo Air Force Base, Texas, from August 19, 1958 to September 15, 1960. He was cited for having ". . . imparted incomparable skill and professional training in the fields of social therapy, psychology and research and analysis. His exemplary devotion to duty enabled him to train and develop many inexperienced and untrained military and civilian personnel during his stay with the Retraining Group."

April 3, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Samuel P. Daykin (contd)

As a member of the College of Social Work faculty, Professor Daykin devoted his research and teaching to the concerns of troubled youth and the cause and prevention of juvenile delinquency. He was one of the founders of the East Central Citizens Organization in Columbus. He was one of the first board members of Buckeye Boys' Ranch, and an honorary board member of SOS Children's Village, Inc., an international organization dedicated to helping orphans.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Daykin its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to Mrs. Daykin as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

James C. Harris

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 28, 1981, of James C. Harris, Associate Professor, Department of Physics.

Professor Harris received his Ph.D. degree from Rice Institute together with the Wilson Award for outstanding research, in 1948. He then pursued postdoctoral studies in nuclear physics and chemistry at the College de France, before joining the faculty of The Ohio State University Department of Physics in 1950.

Professor Harris contributed to the early development of a strong nuclear physics research group at the University, and undergraduates and graduate students alike profited from his teaching.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Ruth Townsend Lehman

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 20, 1981, of Ruth Townsend Lehman, Professor Emeritus, Department of Home Economics Education in the School of Home Economics.

Dr. Lehman was born in Lenox, Iowa, on April 20, 1895. She received an A.B. degree in home economics from the University of Illinois at Urbana in 1918, the M.A. degree in home economics education in 1923, and the Ph.D. degree in education in 1945, both from the University of Chicago.

April 3, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Ruth Townsend Lehman (contd)

Dr. Lehman taught home economics in high school at Waterman, Illinois, and junior high at Elkhart, Indiana, from 1918-1919. She was an Instructor at Simmons College, Boston, Massachusetts, from 1919-1922 and then taught foods and home economics education at the University of Chicago from 1923-1928. In 1928, she was an Assistant Professor in home economics education in conjunction with the State Department of Vocational Education at the University of Arizona and was promoted to Associate Professor in 1930. She then accepted a position as Professor and Head of the Department of Home Economics at North Texas State Teachers College, Denton, Texas, from 1932-1937.

Dr. Lehman came to The Ohio State University on September 22, 1937 as an Associate Professor in home economics education and was promoted to Professor in 1946, having served 28 years until her retirement June 30, 1965. She had served as Chairman of the Graduate Committee in the School as well as various state and national committees of the American and Ohio Home Economics Associations and American Vocational Association. Her articles appeared in the *Journal of Home Economics*, *The School Review*, and *Review of Educational Research*.

Dr. Lehman was awarded the Ellen H. Richards Fellowship for 1936-1937 by the American Home Economics Association and the University of Chicago Fellowship in 1922-1923. She was a member of Omicron Nu, Pi Lambda Theta, and Kappa Delta Pi.

She was an effective researcher and teacher and nationally known as an able person in the field of evaluation. She was an inspirational leader and made a major contribution to group thinking as well as individual development. She was creative, challenging, and demanded high academic standards of herself and her students.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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**COLLEGE OF LAW - CHANGE IN ADMISSION POLICY**

Resolution No. 81-96

*Synopsis: Change in admission policy for College of Law is being proposed.*

WHEREAS this Board at its June 1976 meeting adopted a policy providing "that all graduate professional programs require an interview as part of the admission process"; and

WHEREAS the College of Law has found this requirement to be costly to the College and to applicants who must travel to Columbus to be interviewed; and

April 3, 1981 meeting, Board of Trustees

**COLLEGE OF LAW - CHANGE IN ADMISSION POLICY (contd)**

WHEREAS the College of Law believes that it can identify those situations in which an interview would be useful; and

WHEREAS the College of Law has requested that the policy as it applies to that College be modified:

NOW THEREFORE

BE IT RESOLVED, That it shall be the policy of the College of Law (1) to conduct an on-site interview with any applicant who requests it; (2) to conduct an on-site interview with any applicant for whom the Admissions Committee of the College believes that the interview might elicit significant information.

Upon motion of Mr. Hilliker, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 81-97

*Synopsis: Changes in Bylaws of the Board of Trustees and Rules of the University Faculty are proposed.*

WHEREAS the Vice President for Health Sciences has made recommendations regarding the operation and organization of the health sciences area, including the addition of new rules and amendments to existing rules in order to incorporate references to the health sciences area within the *Bylaws of the Board of Trustees* and *Rules of the University Faculty*; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the rules as enumerated below with suggested amendments are:

**3335-1-03 Administration of the university.**

Paragraph (L) reflects changes in the areas of responsibility of the vice president for health sciences, paragraph (S) gives the vice president for health sciences representation on the council of deans, and paragraph (V) reflects new rule establishing health sciences council.

**3335-3-12 Vice president for health sciences.**

Paragraph (B) reflects changes in the areas of responsibility for the vice president for health sciences.

April 3, 1981 meeting, Board of Trustees

**AMENDMENTS TO *BYLAWS OF THE BOARD OF TRUSTEES*  
AND *RULES OF THE UNIVERSITY FACULTY* (contd)**

3335-3-22 Council of deans.

Paragraph (A) gives the vice president for health sciences representation on the council of deans.

3335-3-29 Deans of the colleges.

Paragraph (B) (4) requires the deans of the colleges of the health sciences to make recommendations to the vice president for health sciences for matters within his jurisdiction concerning budget, appointment, and promotion to accomplish appropriate coordination.

3335-5-481 Health sciences council.

New rule to establish health sciences council.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the *Bylaws of the Board of Trustees* and *Rules of the University Faculty* be adopted by the Board of Trustees for inclusion in the next publication of this document.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

BYLAW

3335-1-03 Administration of the university.

- (L) Vice president for health sciences. The major area of responsibility and authority of the vice president for health sciences shall be that of the health sciences at the university. Without limiting the generality of the foregoing, the vice president for health sciences shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for the administration of: the colleges of dentistry, medicine, optometry, pharmacy, and veterinary medicine, and their clinics, schools, and hospitals, including such other supporting services and facilities as the health sciences library; laboratory research animal program; comprehensive cancer center; radiation safety; health sciences audio-visual and TV center; mental retardation center; center for continuing health sciences education; agreements and cooperative arrangements with various regional and governmental hospitals, and such other health sciences programs as may be established. The vice president for health sciences will coordinate academic programs and appointments with the office of the provost and nonacademic budgets and personnel matters with the offices of the vice presidents for personnel services and finance and planning.



April 3, 1981 meeting, Board of Trustees

**AMENDMENTS TO *BYLAWS OF THE BOARD OF TRUSTEES*  
*AND RULES OF THE UNIVERSITY FACULTY* (contd)**

**BYLAW (contd)**

**(S) Council of deans.**

- (1) The president of the university, the provost, the vice president for health sciences, the deans of the colleges, the associate provost for instruction, the vice provost for research and dean of the graduate school, and the vice provost for arts and sciences shall comprise the council of deans of the university. The president shall be chairman of the council, the provost shall be vice chairman, and the provost's designee shall serve as secretary. In the temporary absence of the president, the duties of the presiding officer shall be assumed by the provost.
- (2) The council of deans shall meet on the call of the chairman. The council of deans shall serve as an advisory council to the president.

**(V) Health sciences council.**

- (1) The vice president for the health sciences, the dean of the college of dentistry, the dean of the college of medicine, the dean of the college of optometry, the dean of the college of pharmacy, the dean of the college of veterinary medicine, the director of the school of allied medical professions, the director of the school of nursing, the director of university hospitals, and such other members from the health sciences as the vice president for health sciences may select from time to time shall comprise the health sciences council. The provost shall be a member, ex officio. The vice president for health sciences shall be chairman of the council and will designate a vice chairman and secretary.
- (2) The health sciences council shall meet at the call of the chairman. The health sciences council shall serve as an advisory body to the vice president for health sciences.

**RULES**

**3335-3-12 Vice president for health sciences.\***

- (A) The vice president for health sciences shall be the executive head of the office of health sciences.
- (B) The major area of responsibility and authority of the vice president for health sciences shall be that of the health sciences at the university. Without limiting the generality of the foregoing, the vice president for health sciences shall, under the direction of the president and with the approval of the board of trustees, be

\*Rule initiated by board of trustees.

April 3, 1981 meeting, Board of Trustees

**AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

**RULES (contd)**

responsible and have the requisite authority for the administration of: the colleges of dentistry, medicine, optometry, pharmacy, and veterinary medicine, and their clinics, schools, and hospitals, including such other supporting services and facilities as the health sciences library; laboratory research animal program; comprehensive cancer center; radiation safety; health sciences audio-visual and TV center; mental retardation center; center for continuing health sciences education; agreements and cooperative arrangements with various regional and governmental hospitals, and such other health sciences programs as may be established. The vice president for health sciences will coordinate academic programs and appointments with the office of the provost and nonacademic budgets and personnel matters with the offices of the vice presidents for personnel services and finance and planning.

- (C) The principal administrative officials in the office of health sciences shall be the deans of dentistry, medicine, optometry, pharmacy, and veterinary medicine; the chief administrators of university hospitals and the veterinary hospital; associate vice president and/or assistant vice presidents; and such other associates as may be authorized from time to time. (B/T 7/12/74, B/T 4/6/79, B/T 11/7/80, B/T 4/3/81)

**3335-3-22 Council of deans.\***

- (A) The president of the university, the provost, the vice president for health sciences, the deans of the colleges, the associate provost for instruction, the vice provost for research and dean of the graduate school, and the vice provost for arts and sciences shall comprise the council of deans of the university. The president shall be chairman of the council, the provost shall be vice chairman, and the provost's designee shall serve as secretary. In the temporary absence of the president, the duties of the presiding officer shall be assumed by the provost.
- (B) The council of deans shall meet on the call of the chairman. The council of deans shall serve as an advisory council to the president. (B/T 10/5/73, B/T 2/2/79, B/T 4/3/81)

**3335-3-29 Deans of the colleges.\***

- (B) The major responsibility of the dean of each college shall be that of providing active leadership in the promotion, direction and support of educational and research activities of the university, in the maintenance of a high level of morale among the faculty, and in the encouragement of the spirit of learning among the students. In addition he shall have general administrative responsibility for the program of the college, subject to the approval of the president and the board of trustees. These administrative responsibilities shall include the duty:

\* Rule initiated by board of trustees.

April 3, 1981 meeting, Board of Trustees

**AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

**RULES (contd)**

- (4) After consultation with the chairmen of the departments and the directors of the schools within the college to make recommendations to the provost concerning the college budget, the appointments to and promotions within the staff and the membership of the college faculty. Whenever his recommendations involve the appointment or promotion in rank of faculty members offering graduate work or acting as advisers to graduate students, the dean of a college shall consult with the vice provost for research and dean of the graduate school (see paragraph (B) of rule 3335-3-31 of the Administrative Code). All recommendations by the deans of the colleges of the health sciences will be made to the vice president for health sciences who will accomplish the appropriate coordination.

3335-5-481 Health sciences council.\*

- (A) The vice president for the health sciences, the dean of the college of dentistry, the dean of the college of medicine, the dean of the college of optometry, the dean of the college of pharmacy, the dean of the college of veterinary medicine, the director of the school of allied medical professions, the director of the school of nursing, the director of university hospitals, and such other members from the health sciences as the vice president for health sciences may select from time to time shall comprise the health sciences council. The provost shall be a member, ex officio. The vice president for health sciences shall be chairman of the council and will designate a vice chairman and secretary.
- (B) The health sciences council shall meet at the call of the chairman. The health sciences council shall serve as an advisory body to the vice president for health sciences. (B/T 4/3/81)

\*Rule initiated by board of trustees.

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**UNIVERSITY HOSPITALS BOARD**

Resolution No. 81-98

*Synopsis: Confirmation and approval of nominees to the University Hospitals Board is proposed.*

WHEREAS the Board of Trustees on November 30, 1979 approved the establishment of a University Hospitals Board; and

WHEREAS the membership of the Board was approved on April 4, 1980; and

April 3, 1981 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD (contd)**

WHEREAS it was stipulated that "The Hospitals Board shall be comprised of three members of the University Board of Trustees and twelve other persons, selected from the general public who shall be appointed by the University Board of Trustees in consultation with the President"; and

WHEREAS the present terms of four members selected from the general public and the terms of the three members from the University Board of Trustees expire on April 30, 1981:

NOW THEREFORE

BE IT RESOLVED, That the following nominees be approved as general public members of the University Hospitals Board for a term of three years, effective May 1, 1981:

- Robert M. Duncan
- Josephine S. Failer
- Morris S. Rosenblum, M.D.
- Wilbur W. Jones

and

BE IT FURTHER RESOLVED, That the following three members of the University Board of Trustees be confirmed for membership on the University Hospitals Board for the term, May 1, 1981 through April 30, 1982:

- Daniel M. Galbreath
- D. James Hilliker
- Edmund C. Redman

Upon motion of Dr. Jacob, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-99

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Reappointment of Chairmen of Departments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the March 6, 1981 meeting of the Board, including the following Reappointment of Chairmen of Departments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

April 3, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Reappointment of Chairmen of Departments

July 1, 1981 through June 30, 1985

Zoology  
Poultry Science

John Crites  
Edward C. Naber

Leaves of Absence Without Salary

D. LYNN FORSTER, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective September 1, 1981 through December 31, 1981, to work at the Forster Farms, Inc., in Indiana.

MARY A. MCILROY, Assistant Professor, Department of Pediatrics, effective February 1, 1981 through March 31, 1981, for personal reasons.

ANN ELIZABETH SMITH, Instructor, University Libraries, effective April 15, 1981 through September 15, 1981, for personal reasons.

Professional Improvement Leaves

VERA J. BLAINE, Professor, Department of Dance, effective Spring Quarter 1982.

DARYLE H. BUSCH, Professor, Department of Chemistry, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

ALLAN M. BURKMAN, Professor, College of Pharmacy (Division of Pharmacology), effective Autumn Quarter 1981, Winter Quarter 1982, Spring Quarter 1982, and Summer Quarter 1982.

REINHART F. H. BUTTER, Professor, Department of Industrial Design, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

PETER COSTANZA, Professor, School of Music, effective Winter Quarter 1982.

SIMON DINITZ, Professor, Department of Sociology, effective Winter Quarter 1982 and Spring Quarter 1982.

DAVID O. EDWARDS, Professor, Department of Physics, effective Winter Quarter 1982 and Spring Quarter 1982.

JAMES C. GARLAND, Professor, Department of Physics, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

ALFRED S. GOLDING, Professor, Department of Theatre, effective Winter Quarter 1982.

E. F. HEBNER, Professor, Department of Art, effective Winter Quarter 1982.

April 3, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Professional Improvement Leaves (contd)

ROSCOE C. HINKLE, Professor, Department of Sociology, effective Winter Quarter 1982 and Spring Quarter 1982.

WILLIAM B. JOHNSON, Professor, Department of Mathematics, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

JULIUS P. KREIER, Professor, Department of Microbiology, effective Summer Quarter 1981.

BIBB LATANE, Professor, Department of Psychology, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

KENNETH MARANTZ, Professor and Chairman, Department of Art Education, effective Autumn Quarter 1981 and Winter Quarter 1982.

DEVON W. MEEK, Professor, Department of Chemistry, effective Summer Quarter 1981, Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

RICHARD L. RUDY, Professor, Department of Veterinary Clinical Sciences, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

H. YUAN TIEN, Professor, Department of Sociology, effective Autumn Quarter 1981 and Winter Quarter 1982.

FRANCIS E. WALKER, Professor, Department of Agricultural Economics and Rural Sociology, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

GORDON WILSON, Professor, School of Music, effective Spring Quarter 1982.

ODETTE BLUM, Associate Professor, Department of Dance, effective Winter Quarter 1982.

KATHERINE H. BURKMAN, Associate Professor, Department of English, effective Winter Quarter 1982 and Spring Quarter 1982.

DANIEL Z. CZAMANSKI, Associate Professor, Department of City and Regional Planning, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

RICHARD L. MCCREERY, Associate Professor, Department of Chemistry, effective Summer Quarter 1981 and Autumn Quarter 1981.

ANTHONY E. PETRARCA, Associate Professor, Department of Computer and Information Science, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

April 3, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Professional Improvement Leaves (contd)

JACK A. RALL, Associate Professor, Department of Physiology, effective Summer Quarter 1981, Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

LARRY SHINEMAN, Associate Professor, Department of Art, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

JIM G. POLSON, Assistant Professor, Cooperative Extension Service, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

Emeritus Titles

ROBERT P. HOLDSWORTH, JR., Department of Entomology, with the title Professor Emeritus, effective April 1, 1981.

FRED A. ZIMMER, Department of Industrial Design, with the title Professor Emeritus, effective July 1, 1981.

Upon motion of Mr. Smith, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-100

*Synopsis: The reports on contracts, grants, and gifts and the summary for February are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of February 1981, be approved.

Upon motion of Mr. Galbreath, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR FEBRUARY 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	76	\$10,138,652.40
Engineering Experiment Station	26	295,628.00
		\$10,434,280.40

The Ohio State University Development Fund

Establishment of Named Funds

College of Dentistry Advancement  
Endowment Fund  
(College of Dentistry) \$ 113,558.00

The Sara Jane Pyne Memorial  
Scholarship Fund in the  
Visual Arts  
(Departments of Art, Art  
Education, History of Art,  
or Industrial Design) \$ 100,000.00

The Charles W. Durfey Memorial  
Scholarship Fund in Journalism  
(School of Journalism) \$ 6,762.00

Intercollegiate Livestock Evaluation  
Team Endowment Fund  
(Department of Animal Science) \$ 5,000.00

Medina County Scholarship Fund  
(Undergraduate students from  
Medina County) \$ 4,572.72

Report from Presidents Club

Members to date 4,459  
1981: year to date 23  
New members - February 1981 6

New Presidents Club Members - February 1981

Michael R. Becker  
Robert L. Karlsberger  
Robert W. Miller

Jeffrey P. O'Connor  
Robert E. Schaefer  
Kathleen Maher Zouhary



April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$5,500,000.00 - Department of Education, Washington, D. C., The National Center for Research in Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 February 1981 through 31 January 1982. (Project 761008 - Continuation)

\$472,787.00 - Environmental Protection Agency, Washington, D. C., Development of a Tissue Selective Bioassay for Environmental Agents Procuring DNA Damage, Department of Veterinary Pathobiology (A. Koestner), Department of Radiology (A. K. Freimanis), and Departments of Radiology and Pharmacology (S. M. D'Ambrosio), 26 December 1980 through 25 December 1981. (Project 761447 - Continuation)

\$117,314.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Chemical Carcinogen Induced Neoplastic Transformation, Departments of Physiological Chemistry and Veterinary Pathobiology (G. E. Milo), 1 January 1981 through 31 December 1981. (Project 761756 - Continuation)

\$111,372.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Development and Use of Anucleated Bacterial Cells to Assay the *In Vivo* Activity of Pollutants, Department of Microbiology (J. N. Reeve), 1 April 1981 through 31 March 1982. (Project 762592 - New)

\$110,253.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Chemical Cocarcinogenesis in the Rat: Gene Activation, Department of Microbiology (P. C. Kimball), 1 February 1981 through 31 January 1982. (Project 762573 - New)

\$99,800.00 - Argonne National Laboratory, Argonne, Illinois, Development of Extended Capabilities for Computer Simulation for Landfill Methane Recovery, Department of Civil Engineering (C. A. Moore), 19 January 1981 through 30 September 1981. (Project 762542 - Continuation)

\$92,000.00 - National Science Foundation, Washington, D. C., Liquid Helium at Low Temperatures, Department of Physics (D. O. Edwards), 1 April 1981 through 31 March 1982. (Project 761582 - Continuation)

\$87,809.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Characterization of the Chemical Constitution and Profile of Pharmacological Activity of PGB<sub>x</sub>, College of Pharmacy (R. W. Doskotch, A. M. Burkman, and D. D. Miller), 1 January 1981 through 31 December 1981. (Project 761474 - Continuation)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$81,000.00 - Department of Education, Office of Special Education, Office of Procurement and Assistance Management, Washington, D. C., Handicapped Pre-Service Personnel Preparation, School of Health, Physical Education, and Recreation (W. F. Ersing), 1 June 1981 through 31 May 1982. (Project 762175 - Continuation)

\$80,000.00 - Department of Health and Human Services, Office of Human Development Services, Administration for Children, Youth and Families, Washington, D. C., Identification, Management and Prevention of Child Abuse and Neglect in Residential Facilities, College of Social Work (N. Rindfleisch), 1 January 1981 through 31 December 1981. (Project 762019 - Continuation)

\$78,819.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Identification of Essential Genes for HSV DNA Synthesis, Department of Medical Microbiology and Immunology (D. S. Parris), 1 March 1981 through 28 February 1982. (Project 762587 - New)

\$69,484.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute on Drug Abuse, Rockville, Maryland, Amphetamine: Effects on Muscle Contraction and Endurance, College of Pharmacy (M. C. Gerald), 1 February 1981 through 31 January 1982. (Project 764488 - Continuation)

\$63,000.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Development and Optimization of Methodologies for Analysis of Complex Hydrocarbon Mixtures, Department of Chemistry (R. J. Laub), 1 January 1981 through 31 December 1981. (Project 761982 - Continuation)

\$62,694.00 - National Endowment for the Humanities, Washington, D. C., Rhetoric and Public Discourse, Department of English (E. P. Corbett), 1 January 1981 through 31 December 1981. (Project 762527 - Continuation)

\$62,199.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pathogenesis of Preleukemic Aplastic Anemia, Department of Veterinary Pathobiology (E. A. Hoover), 1 January 1981 through 31 December 1981. (Project 761704 - Continuation)

\$61,999.00 - National Science Foundation, Washington, D. C., Verification of Constitutive Relations for Silage Through Full-Scale Silo Measurements, Department of Civil Engineering (A. G. Bishara), 1 December 1980 through 30 November 1981. (Project 761960 - Continuation)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$60,581.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1980 through 30 November 1981. (Project 760022 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D. C., Superfluid Turbulence, Department of Physics (J. T. Tough), 1 March 1981 through 28 February 1982. (Project 762023 - Continuation)

\$59,459.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Experimentally Induced Mucoïd Enteritis, Department of Veterinary Preventive Medicine (S. Targowski), 1 March 1981 through 28 February 1982. (Project 762041 - Continuation)

\$59,000.00 - National Science Foundation, Washington, D. C., Chemistry and Spectroscopy of High Energy Intermediates, Department of Chemistry (M. S. Platz), 1 June 1981 through 30 November 1981. (Project 761654 - Continuation)

\$58,586.00 - National Endowment for the Humanities, Washington, D. C., American Folkliife and Literature, Department of English (P. B. Mullen), 1 January 1981 through 31 December 1981. (Project 762528 - New)

\$49,000.00 - National Science Foundation, Washington, D. C., Spectroscopic Studies of Active Galaxies and Quasi-Stellar Objects, Department of Astronomy (B. M. Peterson and C. B. Foltz), 1 January 1981 through 31 December 1981. (Project 762574 - New)

\$47,836.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Immunologic Aspects of Legionellosis, Department of Medicine (J. F. Plouffe), 1 February 1981 through 31 January 1982. (Project 762577 - New)

\$43,978.00 - National Science Foundation, Washington, D. C., Toward More Complicated Computer Imagery, Department of Computer and Information Science (F. C. Crow), 1 February 1981 through 31 January 1982. (Project 762017 - New)

\$42,277.00 - National Science Foundation, Washington, D. C., Student Science Training Program, Department of Mathematics (T. G. Railey), 15 January 1981 through 31 August 1982. (Project 762571 - Continuation)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$40,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Utilization of Range and Range-Difference Observations in Geodynamics, Department of Geodetic Science (I. I. Mueller), 19 April 1981 through 18 April 1982. (Project 761882 - Continuation)

\$39,418.00 - National Science Foundation, Washington, D. C., Photogrammetric Investigation of Byrd Glacier Surface Lowering, Institute of Polar Studies (D. H. Elliot and H. H. Brecher), 1 January 1981 through 31 December 1981. (Project 762567 - New)

\$39,228.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Improvement of Knowledge Regarding the Earth's Gravity Field from Terrestrial and Satellite Data, Department of Geodetic Science (R. H. Rapp), 1 March 1981 through 28 February 1982. (Project 760056 - Continuation)

\$38,680.00 - National Science Foundation, Washington, D. C., Diffractive Spectroelectrochemistry, Department of Chemistry (R. L. McCreery), 1 March 1981 through 28 February 1982. (Project 761560 - Continuation)

\$37,421.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax and Thoracic Simulator, Department of Mechanical Engineering (D. A. Guenther), 10 February 1981 through 30 September 1981. (Project 762594 - New)

\$33,677.00 - Department of the Army, Huntington District, Corps of Engineers, Huntington, West Virginia, Muskingum River Basin Survey, Ohio Biological Survey (C. C. King) and Department of Zoology (D. H. Stansbery and T. M. Cavender), 12 February 1981 through 30 June 1981. (Project 762582 - New)

\$33,158.00 - National Science Foundation, Washington, D. C., Late Cretaceous and Early Tertiary Biogeography of the Southern Circum-Pacific, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 1 August 1981 through 30 June 1982. (Project 762348 - Continuation)

\$32,000.00 - Department of Education, Office of Procurement and Assistance Management, Washington, D. C., Special Education Component in University Affiliated Facility, Nisonger Center for Mental Retardation (V. Cotter), 1 June 1981 through 31 May 1982. (Project 762209 - Continuation)

\$30,000.00 - National Science Foundation, Washington, D. C., Test of Conflicting Hypotheses on the Cenozoic Glaciation of the Transantarctic Mountains, Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (G. Faure), 1 August 1981 through 30 June 1982. (Project 762369 - Continuation)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$19,987.00 - National Science Foundation, Washington, D. C., Genesis of Mineralization Associated with Andean Intrusions, Northern Antarctic Peninsula Region, Institute of Polar Studies and Department of Geology and Mineralogy (D. E. Pride), 1 October 1981 through 30 September 1982. (Project 761769 - Continuation)

\$19,611.00 - National Science Foundation, Washington, D. C., Pre-College Teacher Development in Science, Department of Mathematics (J. R. Leitzel), 6 February 1981 through 31 January 1982. (Project 762586 - New)

\$18,000.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Comparison of Models Simulating Occupant Response in Airbags, Department of Mechanical Engineering (J. A. Charles), 1 March 1981 through 31 December 1981. (Project 762595 - New)

\$17,272.00 - National Science Foundation, Washington, D. C., Geometry of Nuclear Spaces, Department of Mathematics (B. Mityagin) 1 July 1981 through 30 June 1982. (Project 762079 - Continuation)

\$9,999.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Optical Information for Egomotion: Parameters for Psychophysical Investigation, Department of Psychology (D. Owen and R. Warren), 1 March 1981 through 30 November 1981. (Project 762591 - New)

\$9,023.00 - Department of Education, Office of Special Education, Washington, D. C., The Relationship of Self Injurious Behavior to Age Cognitive Functioning, Interpersonal Behaviors and Events: Naturalistic Study of Developmentally Delayed Children, Department of Psychology (H. Angelino), 1 January 1981 through 30 September 1981. (Project 762569 - New)

\$8,782.00 - National Science Foundation, Washington, D. C., Stratigraphy and Sedimentary Petrology of the Polarstar Formation, Ellsworth Mountains, Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (J. W. Collinson), 1 August 1981 through 30 June 1982. (Project 761770 - Continuation)

\$7,883.00 - Environmental Protection Agency, Chicago, Illinois, Lake Erie Monitoring Program: Main Lake Water Quality and Cladophora, Center for Lake Erie Area Research (C. E. Herdendorf) and Department of Civil Engineering (R. C. Stiefel), 1 July 1980 through 30 June 1981. (Project 762280 - Continuation)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$7,128.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Studies on the *In Vivo* Growth of Staphylococci, Department of Medical Microbiology and Immunology (F. A. Kapral), 1 February 1981 through 31 May 1981. (Project 762330 - Continuation)

\$7,019.00 - Department of Labor, Bureau of International Labor Affairs, Washington, D. C., Technical Advisor to Government of Saudi Arabia, National Center for Research in Vocational Education (R. E. Taylor), 23 February 1981 through 31 March 1981. (Project 762588 - New)

\$6,000.00 - Federal Laboratories Consortium, Naval Weapons Center, China Lake, California, Technological Resources Applied to Commercial Enterprises (TRACE), Graduate School - Administration, Program for Energy Research, Education, and Public Service (R. E. Bailey), 17 December 1980 through 31 July 1981. (Project 762568 - New)

\$5,000.00 - Department of the Interior, Office of Water Research and Technology, Washington, D. C., Water Resources Center Annual Cooperative Program (FY 81), Engineering Experiment Station, Water Resources Center (R. C. Stiefel), Department of Zoology (D. A. Culver) and Department of Chemical Engineering (L. S. Fan), 1 October 1980 through 30 September 1981. (Project 762387 - Continuation)

\$3,000.00 - Sandia Laboratories, Albuquerque, New Mexico, Stress and Failure Evaluations Associated with Selected Coal Mine Pillar-Panel Configurations, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 20 February 1981 through 31 December 1981. (Project 762590 - Continuation)

\$1,988.00 - Department of the Interior, Geological Survey, Denver, Colorado, Pollen Stratigraphy and Treeline Fluctuations, Lake Emma, San Juan Mountains, Colorado, Institute of Polar Studies and Department of Zoology (P. A. Colinvaux) and Institute of Polar Studies (W. A. Mode), 1 October 1980 through 31 October 1980. (Project 762596 - New)

\$225.40 - National Science Foundation, Washington, D. C., Science Faculty Professional Development Program, School of Natural Resources (R. E. Roth), 5 January 1981 through 30 June 1981. (Project 762585 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$8,095,746.40**

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$34,979.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities Planning Council, Columbus, Ohio, Deinstitutionalization Task Force, Nisonger Center for Mental Retardation (H. Leland), 1 February 1981 through 30 September 1981. (Project 762593 - New)

\$20,000.00 - Ohio Advisory Council for Vocational Education, Columbus, Ohio, Exemplary Program Policies and Practices for Adult Vocational Education, Department of Agricultural Education (L. E. Miller and L. Hedges), 1 February 1981 through 1 November 1981. (Project 762572 - New)

\$528.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Physical Medicine (R. Weber), 6 February 1981 through 30 June 1981. (Project 762262 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$    55,507.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$445,480.00 - Ohio Farm Bureau Development Corporation, Columbus, Ohio, Monitoring Public Health and Animal Health on Farms Receiving Sludge, Department of Veterinary Preventive Medicine (C. R. Dorn), 1 October 1980 through 30 September 1982. (Project 760949 - Continuation)

\$365,421.00 - Ohio Farm Bureau Development Corporation, Columbus, Ohio, Sludge Disposal on Farm Lands: An Epidemiologic Evaluation of the Risk of Infection, Department of Medical Microbiology and Immunology (V. V. Hamparian and A. C. Ottolenghi), 1 October 1981 through 30 September 1982. (Project 760953 - Continuation)

\$316,862.00 - Battelle Memorial Institute, Office of Nuclear Waste Isolation, Columbus, Ohio, Experimental and Analytical Studies of the Thermal Aspects of Deep Geological Disposal of Commercial Nuclear Wastes, Department of Mechanical Engineering (R. N. Christensen), 1 October 1980 through 30 September 1981. (Project 761731 - Continuation)

\$262,028.00 - National Training Fund for the Sheet Metal and Air Conditioning Industry, Washington, D. C., National Training Fund University Center, National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 31 December 1982. (Project 762578 - Continuation)

\$125,000.00 - Control Data Corporation, Minneapolis, Minnesota, Analysis of Emerging Electronics - Related Occupations and Potential for CDC Program Development, National Center for Research in Vocational Education (R. E. Taylor), 1 January 1981 through 31 December 1981. (Project 762561 - New)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$100,000.00 - Pfizer, Inc., Groton, Connecticut, Support for Facilities for Performing Clinical Pharmacology Studies, Department of Pharmacology (J. R. Bianchine), 1 October 1980 through 30 September 1981. (Project 760484 - Continuation)

\$91,625.00 - Martin Marietta Corporation, Denver, Colorado, Development of Computer Models for Large Reflectors, Department of Electrical Engineering, ElectroScience Laboratory (R. Rudduck), 21 January 1981 through 20 January 1982. (Project 762564 - New)

\$45,000.00 - Iowa State University - Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 October 1980 through 30 September 1981. (Project 762511 - New)

\$43,000.00 - Iowa State University - Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Elastic Wave Scattering by Flaws for Application in NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 1 October 1980 through 30 September 1981. (Project 762502 - New)

\$30,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 26 January 1981 through 1 April 1981. (Project 762563 - New)

\$29,937.00 - OCLC, Inc., Columbus, Ohio, Terminal Requirements for On-Line Catalogs in Libraries, University Libraries (W. J. Studer), 1 October 1980 through 30 November 1981. (Project 762570 - New)

\$26,082.00 - Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, Westinghouse - Industry Services Division Electrical Service Technician and Skilled Craftsman Training Program, National Center for Research in Vocational Education (R. E. Taylor), 1 February 1981 through 31 May 1981. (Project 762562 - New)

\$24,350.00 - Muscular Dystrophy Association, New York, New York, Clinical Investigation of Duchenne Dystrophy, Department of Medicine (J. R. Mendell), 1 November 1980 through 30 June 1981. (Project 761360 - Continuation)

\$20,875.00 - Materials Technology Institute, Columbus, Ohio, Development of Controlled Hydrodynamic Techniques for Corrosion Testing, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1981 through 31 December 1981. (Project 762062 - Continuation)



April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$17,550.00 - The Madison Local Schools, Mansfield, Ohio, Learning Styles - An Alternative for Achievement, Academic Faculty of Science and Mathematics Education (B. Thomson), 18 August 1980 through 30 September 1981. (Project 762584 - New)

\$12,385.00 - General Dynamics Corporation, Electric Boat Division, Groton, Connecticut, SSBN Subsystem Technology, Department of Mechanical Engineering (C. F. Sepsy), 1 February 1981 through 31 March 1981. (Project 762580 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effects of Caffeine, Department of Medicine (S. F. Schaal and R. M. Greenberg), 1 July 1981 through 30 June 1982. (Project 762600 - New)

\$7,180.00 - Southeast Ohio Technical Education Consortium, Hocking Technical College, Nelsonville, Ohio, Contractual Agreement to Teach Certain Agricultural Courses for the Southeastern Ohio Technical Education Consortium, Cooperative Extension Service - State Operations (C. Cunningham) and Cooperative Extension Service - Field Operations (D. P. Miller and L. G. Sanford), 5 January 1981 through 31 March 1981. (Project 762583 - Continuation)

\$4,973.00 - National Training Fund for the Sheet Metal and Air Conditioning Industry, Washington, D. C., National Training Fund University Center Proposal, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1979 through 30 June 1980. (Project 761059 - Continuation)

\$3,564.00 - General Electric Foundation, Fairfield, Connecticut, Educators in Industry Workshop, Academic Faculty of Special Services (J. V. Wigtil), 1 October 1980 through 30 September 1981. (Project 762454 - Continuation)

\$1,987.00 - The Greater Cleveland Growth Association, Cleveland, Ohio, Lake Erie as an Industrial and Commercial Resource to the Greater Cleveland Area, Center for Lake Erie Area Research (J. M. Reutter), 1 February 1981 through 15 March 1981. (Project 762575 - New)

\$1,000.00 - Bergen Community College, Paramus, New Jersey, National Alliance for Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$900.00 - National Governors' Association, Washington, D. C., Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 February 1981 through 30 April 1981. (Project 768033 - New)

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$200.00 - Trident Technical College, Charleston, South Carolina, and Milwaukee Technical College, Milwaukee, Wisconsin, National Postsecondary Alliance Membership Directory, National Center for Research in Vocational Education (R. E. Taylor), 1 January 1981 through 31 May 1981. (Project 761599 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,987,399.00**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$125,041.00 - The Gas Research Institute, Chicago, Illinois, Location of Buried Pipe/Development of an Improved Terrascan Unit, Department of Electrical Engineering, ElectroScience Laboratory, January 26, 1981 through January 26, 1982. (EES 623/529623)

\$101,459.00 - The Gas Research Institute, Chicago, Illinois, Identification of Leaks Research, Department of Electrical Engineering, ElectroScience Laboratory, January 19, 1981 through January 19, 1982. (EES 622/529622)

\$25,000.00 - Gulf Research and Development, Pittsburgh, Pennsylvania, Stress Response Associated with Underground Coal Gasification, Department of Engineering Mechanics, March 1, 1981 through April 1, 1982. (EES 624/529624)

\$44,128.00 - various sponsors for 23 development projects under the direction of seven departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$ 295,628.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$114,000.00 - E. I. duPont de Nemours & Company, Wilmington, Delaware--\$20,000.00 for duPont Young Faculty Grant--Chemistry; \$20,000.00 for duPont Fund for Mechanical Engineering; \$14,000.00 for duPont Fund for Research in Chemistry; \$12,500.00 for duPont Occupational and Environmental Health Grant; \$12,000.00 for duPont Fund for Research in Chemical Engineering; \$12,000.00 for Affirmative Action Program in Engineering Fund; \$10,000.00 for duPont Young Faculty Grant; \$6,000.00 for Endowed Professorship in Plant Protection; \$4,000.00 for duPont Fund for Research in Electrical Engineering; and \$3,500.00 for duPont Business Grant.

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$50,000.00 - Hoffmann-LaRoche, Inc., Nutley, New Jersey, for Clinical Pharmacology Fund.

\$50,000.00 - The Kiplinger Foundation, Inc., Washington, D. C., for Willard M. Kiplinger Chair in Public Affairs Reporting.

\$44,930.00 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, for Clinical Pharmacology Fund.

\$36,875.79 - Estate Under the Will of Lela B. Hardy, Los Angeles, California, for Society of Alumni and Friends of the School of Music Scholarship Fund.

\$36,110.00 - Pfizer, Inc., Groton, Connecticut--\$27,353.00 for Clinical Pharmacology Fund; \$5,000.00 for Pfizer Research Fellowship; and \$3,757.00 for Infectious Disease Research Fund.

\$30,000.00 - PPG Industries Foundation, Barberton, Ohio--\$20,000.00 for Capital Campaign--Chemical Engineering Fund and \$10,000.00 for Advanced Design Methods Laboratory--Mechanical Engineering.

\$21,737.53 - University Eye Surgeons, Inc., Columbus, Ohio (given in the name of Richard H. Keates, M.D.), for Eye Bank Fund.

\$16,476.25 - Eastman Kodak Company, Rochester, New York--\$10,000.00 for Eastman Kodak Company Fund in Chemistry; \$3,026.25 for Kodak Scholars Program in Engineering Fund; \$1,050.00 for Electrical Engineering Chairman's Discretionary Fund; \$900.00 for Department of Chemical Engineering Support Fund; \$600.00 for The ISE Advancement Fund; \$600.00 for I. G. Brenner Fund for Engineering; and \$300.00 for Department of Computer and Information Science Chairman's Discretionary Fund.

\$15,000.00 - The Merck Company Foundation, Rahway, New Jersey--\$10,000.00 for Medicine--Clinical Pharmacology Fund and \$5,000.00 for Animal Science Special Fund.

\$14,950.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$12,815.19 - Estate Under the Will of Martha Ann Guinther, Marion, Ohio, for Dr. Bouroncle's Blood Research Fund.

\$10,180.33 - Phi Delta Kappa, Bloomington, Indiana, for Phi Delta Kappa Fund.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$10,000.00 - A. H. Robins Company, Inc., Richmond, Virginia, for Menopausal Patient Follow-up Project.

\$7,988.00 - American Cyanamid Company, Pearl River, New York, for Gastro-intestinal Cancer Research Fund.

\$7,793.42 - Systems Associates, Inc., Columbus, Ohio (given in the name of Robert H. Herbst), for Cardiology Support Fund.

\$7,097.00 - American Hoechst Corporation, Somerville, New Jersey, for Infectious Disease Research Fund.

\$7,000.00 - Abbott Laboratories, North Chicago, Illinois, for Laboratory of Work Physiology.

\$6,323.14 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$6,000.00 - Rockwell International, Troy, Michigan, for Gear Dynamics and Gear Noise Research Laboratory Fund.

\$5,100.00 - American Foundation for Pharmaceutical Education, Fair Lawn, New Jersey, for American Foundation for Pharmaceutical Education Fellowship Fund.

\$5,000.00 - Conoco, Inc., Ponca City, Oklahoma, for M. S. Newman Professorship of Chemistry.

\$5,000.00 - Harris Foundation, Melbourne, Florida, for Electrical Engineering Chairman's Discretionary Fund.

\$5,000.00 - Hauck Manufacturing Company, Lebanon, Pennsylvania, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - Ohio Quarter Horse Association, Richwood, Ohio, for Ohio Quarter Horse Finley Farm Building Project.

\$5,000.00 - Ohio State University Alumni Association, Columbus, Ohio, for Frank J. Tate Scholarship in Journalism.

**Gift-in-Kind**

\$6,500.00 - Ryan Stormscope, Columbus, Ohio, Ryan Stormscope equipment and installation.

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**College of Dentistry Advancement Endowment Fund**

The College of Dentistry Advancement Endowment Fund was established April 3, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni and friends of the College of Dentistry.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support and advance the College of Dentistry.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Dentistry.

**The Sara Jane Pyne Memorial Scholarship Fund in the Visual Arts**

The Sara Jane Pyne Memorial Scholarship Fund in the Visual Arts was established April 3, 1981, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Sara Jane Pyne, B.F.A. '41, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used for scholarships and aid to students in the visual arts (Departments of Art, Art Education, History of Art, or Industrial Design) who have shown academic potential and/or need for financial assistance. Recipients of such scholarships or aid shall be selected by the Dean of the College of the Arts and Chairpersons from Visual Arts. For any academic year the number and dollar amount awarded annually under this program may be varied, as determined by the Dean of the College of the Arts in consultation with the Chairpersons from Visual Arts.

Should the need for this student aid cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for educational programs in the visual arts.

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Charles W. Durfey Memorial Scholarship Fund in Journalism**

The Charles W. Durfey Memorial Scholarship Fund in Journalism was established April 3, 1981, by the Board of Trustees of The Ohio State University by gifts from the Scripps-Howard Foundation and from family and friends in memory of the late Charles W. Durfey, B.A. Jour. '75, and reporter, *Cincinnati Post* newspaper.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for a student(s) majoring in journalism and who show promise in reporting. To receive a scholarship, the student must be enrolled in the School of Journalism during the time the scholarship is awarded.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for journalism scholarships.

**Intercollegiate Livestock Evaluation Team Endowment Fund**

The Intercollegiate Livestock Evaluation Team Endowment Fund was established April 3, 1981, by the Board of Trustees of The Ohio State University with gifts from alumni and friends.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to provide support for The Ohio State University undergraduate student Livestock Evaluation Team to represent the University in regional and national intercollegiate contests and programs. Funds will be distributed by the chairman of the Department of Animal Science.

Should the need for these funds cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the appropriate administrative official of the University who is then directly responsible for the Department of Animal Science in the College of Agriculture and Home Economics.

April 3, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Medina County Scholarship Fund**

The Medina County Scholarship Fund was established April 3, 1981, by the Board of Trustees of The Ohio State University with gifts from alumni and friends of Medina County to The Ohio State University Development Fund.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as the occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students from Medina County enrolled in The Ohio State University. The selection of the recipient is to be made by the University Committee on Student Financial Aids upon recommendation of a selection committee from the Medina County Alumni Club.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships and student financial aids.

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS**

**EYE CENTER - UNIVERSITY CLINICS BUILDING**

Resolution No. 81-101

*Synopsis: Employment of engineer to conduct a feasibility study for the project, Eye Center - University Clinics Building, is being proposed.*

WHEREAS The Ohio State University Board of Trustees authorized the establishment of The Ohio State University College of Medicine Ophthalmologic Center through The Ohio State University Development Fund on October 11, 1967; and

WHEREAS the Department of Ophthalmology, within the College of Medicine, is in need of expanding to include an Eye Center; and

WHEREAS the Department is currently located on the fifth floor (top floor) of the University Clinics Building so that functionally it would be highly desirable to locate the Eye Center on a new floor above the present location; and

April 3, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS (contd)**

**EYE CENTER - UNIVERSITY CLINICS BUILDING (contd)**

WHEREAS it is proposed to engage an architectural firm to conduct a feasibility study related to adding a floor or floors to the Clinics Building with regard to such items as construction costs, building code requirements, heating, ventilating and air conditioning, vertical transportation, utilities, and other related problems; and

WHEREAS the University Hospitals Board endorsed the proposal to determine the feasibility of this addition at the meeting March 10, 1981:

NOW THEREFORE

BE IT RESOLVED, That the firm of Dan A. Carmichael, of Columbus, Ohio, architect for the original Clinics Building, be employed to make this feasibility study; and

BE IT FURTHER RESOLVED, That the fee for this service will be negotiated between the firm and the Department of Administrative Services, Division of Public Works, with the total estimate for this study to be \$15,000 - \$20,000. Funds for this study will be provided from gift dollars contributed for this expressed purpose.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**MCCRACKEN POWER PLANT - COAL-FIRED BOILER**

Resolution No. 81-102

*Synopsis: Employment of engineering firm to perform preliminary engineering feasibility study for a coal-fired boiler installation in McCracken Power Plant.*

WHEREAS the University *Energy Master Plan, 1980-2000*, prepared by the Associate Vice President for Physical Facilities, recommends elimination of total dependency on natural gas and fuel oil by the addition of coal burning capability in McCracken Power Plant; and

WHEREAS the installation of such a coal-fired boiler plus needed rehabilitation of the existing boilers and plant are estimated to cost \$24.8 million with a payback period of approximately nine years resulting from the ability to use coal, a lower priced fuel:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to select a qualified engineering firm to perform an engineering feasibility and preliminary design study for a coal boiler which can meet appropriate EPA standards and burn Ohio coal; and



April 3, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS (contd)**

**MCCRACKEN POWER PLANT - COAL-FIRED BOILER (contd)**

BE IT FURTHER RESOLVED, That the fee for this service be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works, with the estimate of cost for this preliminary engineering study to be \$100,000 from Budget Account 855159.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**MCCRACKEN POWER PLANT STEAM DISTRIBUTION  
SYSTEM ENERGY SAVINGS**

Resolution No. 81-103

*Synopsis: Employment of engineer to complete design for the McCracken Power Plant Steam Distribution System Energy Savings project which is one of the grant acceptance projects by the Federal Government; grant received in sum of \$250,000.*

WHEREAS The Ohio State University is constantly continuing energy management resulting in conservation; and

WHEREAS it is proposed to install a desuperheater in McCracken Power Plant to reduce temperature of steam distribution through the system, and to also install additional insulation on piping in selected areas in the five-mile tunnel system to further reduce heat losses; these modifications will substantially save dollars in energy costs and will have a two and one-half year payback:

NOW THEREFORE

BE IT RESOLVED, That the firm of Moulenbelt and Seifert, Consulting Engineers of Dayton, Ohio, be employed; and

BE IT FURTHER RESOLVED, That the fee for this service will be negotiated between the firm and the Department of Administrative Services, Division of Public Works, with the total estimate for this engineering to be \$46,300.00. Funds for the engineering to be provided from Budget Account 885153.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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April 3, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS (contd)**

**PARKING LOT MAINTENANCE, 1981 -  
PATCH, REPAIR AND SLURRY SEAL  
PATCH, REPAIR AND EMULSION SEAL COAT  
RESURFACING AND DRAINAGE MODIFICATIONS**

Resolution No. 81-104

*Synopsis: Employment of engineering firm to provide plans and specifications, surveys, inspections, necessary material and workmanship testing is proposed.*

WHEREAS due to weather and use deterioration, the parking lots in several areas on The Ohio State University Campus need maintenance repairs; and

WHEREAS it is proposed that an engineering firm be employed to provide complete engineering services, including plans and specifications, surveys, inspections, necessary material and workmanship testing:

NOW THEREFORE

BE IT RESOLVED, That the firm of Evans, Mechwart, Hambleton and Tilton, Inc., of Columbus, Ohio, be employed for these services; and

BE IT FURTHER RESOLVED, That the fee for these services be negotiated between the firm and the Department of Administrative Services, Division of Public Works, and the total estimated project cost of this maintenance project is \$440,000 of which funds will be provided for both engineering and construction from Budget Account 885071.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-105

*Synopsis: Plans and specifications are being proposed for the following projects.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

April 3, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**PARKING LOT MAINTENANCE, 1981 - RESURFACING  
AND DRAINAGE MODIFICATIONS**

**Project:** Resurfacing and drainage modifications will be accomplished for the following parking lots: French Field House, South Lot and Tuttle Park Lots 1 and 2, West of Neil Avenue. These modifications are needed due to deterioration.

**Funding:** Budget Account 885071

**Estimated Project Cost:** \$332,532.00

**ENERGY MODIFICATIONS, PHASE V, PROJECT "A" (FAWCETT CENTER  
FOR TOMORROW, FOUNDERS HALL, HEALTH SCIENCES LIBRARY)**

**Project:** Modifications to continue the ongoing energy conservation. Work will include modifications to existing centrifugal chiller in Fawcett Center which is estimated to save \$21,812.00 annually with a two-year four-month payback; replacement of existing 316 ton absorption chiller and electrical centrifugal chiller in Health Sciences Library with an estimated annual savings of \$25,000.00 with a three-year six-month payback; and system modifications in Founders Hall with a savings of \$25,000.00 annually and a one-year seven-month payback.

**Funding:** Budget Account 210134

**Estimated Project Cost:** \$199,700.00

**STADIUM DRIVE PAVEMENT REPAIRS**

**Project:** Due to deterioration, repairs will be made to sidewalks, curbs and pavement from Tuttle Park Place west to the Stadium Drive Bridge on Stadium Drive.

**Funding:** Budget Account 210134

**Estimated Project Cost:** \$160,000.00

**EXTERIOR PAINTING - 1981 (SEVEN BUILDINGS)**

**Project:** Exterior painting of all trim due to deterioration on Lazenby Hall, Ives Hall, Maintenance Building, ElectroScience Laboratory, Mendenhall Laboratory, Page Hall and Derby Hall.

**Funding:** Budget Account 885157

**Estimated Project Cost:** \$133,200.00

April 3, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**ENERGY MODIFICATIONS, PHASE V, PROJECT "B" (DREESE, ROBINSON, ST. JOHN ARENA AND SMITH LABORATORY)**

**Project:** New lighting, variable air volume work and installation of low leak dampers in Dreesse, Robinson, St. John Arena and Smith Laboratory to continue energy modifications at The Ohio State University. The estimated annual savings will be \$30,000.00 per year in utility costs, with a four-year payback.

**Funding:** Budget Account 210134

**Estimated Project Cost:** \$121,300.00

**NEWTON HALL - REPLACEMENT OF FIREPROTECTIVE MATERIALS**

**Project:** Remove exposed fireproofing material and replace with non-asbestos fireproofing, encapsulate any residual asbestos to prevent fibers going into air. Areas include nurses' locker room, mechanical room, stairwells, walls, ceilings, on the ground floor, first and top floors of Newton Hall.

**Funding:** Budget Account 885152

**Estimated Project Cost:** \$110,000.00

**PARKING LOT MAINTENANCE, 1981 - PATCH, REPAIR AND EMULSION SEAL COAT**

**Project:** Patching, repairing and seal coating will be accomplished for the following parking lots: Women's Field House; Drackett (North of Curl Drive); Cunz Hall; Kinsman (Belmont and 10th Avenue); Goss Laboratory (South); Sisson (Northeast); Laundry and Printing Facility. These repairs are needed due to deterioration.

**Funding:** Budget Account 885071

**Estimated Project Cost:** \$60,740.00

**PARKING LOT MAINTENANCE, 1981 - PATCH, REPAIR AND SLURRY SEAL**

**Project:** Patch, repair and slurry seal work will be accomplished at the University Airport, Main Lot. These repairs are needed due to deterioration.

**Funding:** Budget Account 885071

**Estimated Project Cost:** \$56,728.00

April 3, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT  
OF ENERGY TITLE III GRANT - MAIN LIBRARY**

**Project:** Continued energy conservation modifications to reduce and revise lighting in various areas; provide temperature control sequences consisting of unoccupied cycle of control, reset mixed air controllers. Estimated yearly savings will be \$17,566.00 with a two-year ten-month payback.

**Funding:** Federal Grant - \$24,770.00  
Budget Account 885147 - \$24,770.00  
Total \$49,540.00

**Estimated Project Cost:** \$49,540.00

**OHIO UNION, EXTERIOR STEP REPAIRS**

**Project:** Replacement of existing deteriorated steps on east side of Ohio Union.

**Funding:** Budget Account 885149

**Estimated Project Cost:** \$30,625.00

**STADIUM DRIVE BRIDGE REPAIRS**

**Project:** Repair stone mortar joints, reinforce stone anchors and patch concrete arches due to deterioration. This area of repairs will be over the Olentangy River Road span of the bridge.

**Funding:** Budget Account 210134

**Estimated Project Cost:** \$30,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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April 3, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 81-106

*Synopsis: A contract has been awarded for the project listed below to the lowest and best bidder in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of a contract for the following project:

**CENTRAL CAMPUS ENERGY CONTROL CENTER - PHASE IV, PART 2**

Description: Continuation of the energy management programs for The Ohio State University. This project includes additional project work in various buildings which will expand the capability of the system and will be within design parameters for energy savings and communications originally established.

Temperature Control Contract

Date Received:	April 16, 1975*
Bids:	Alternate, unit price bids, and pricing procedures established when bids were received on Phase I, II and III of this project by the Department of Administrative Services, Division of Public Works.*
Estimate of Cost:	\$146,170.00*
Total Project Cost:	\$150,470.00*
Awarded to:	Johnson Controls, Inc. (Columbus, Ohio)*

Total Contingency Allowance: \$ 4,300.00

Funding: Budget Account 210134

\*Change orders will be processed by the Division of Public Works to include alternate bids, and unit price items applicable to the expansion of the scope of work on the Central Campus Energy Control Center.

**NOW THEREFORE**

**BE IT RESOLVED**, That pursuant to the actions previously authorized by the Board, the award of a contract and the establishment of project funds for the project listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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April 3, 1981 meeting, Board of Trustees

**AMENDMENT TO MANAGEMENT AGREEMENT WITH THE  
TRANSPORTATION RESEARCH BOARD OF OHIO**

Resolution No. 81-107

*Synopsis: Amendment to Management Agreement with the Transportation Research Board of Ohio (TRBO) is proposed.*

WHEREAS on June 11, 1979, OSU and TRBO entered into an Agreement for the management of the Transportation Research Center, East Liberty, Ohio, pursuant to Board of Trustees' Resolution No. 79-149; and

WHEREAS TRBO and Bank One Trust Company entered into a Trust Agreement for the sale of bonds to finance construction of crash test facilities at the Transportation Research Center; and

WHEREAS the Trust Agreement requires that the terms of the Management Agreement between OSU and TRBO be amended to subordinate payment of the OSU management fee to all operating and bond expenses; and

WHEREAS the accompanying amendment to the Management Agreement has been reviewed and approved by University legal counsel and appropriate University officials:

**NOW THEREFORE**

**BE IT RESOLVED**, That the President and/or Vice President for Business and Administration be authorized to sign and execute this amendment in accordance with established University procedures.

President Enarson called on Mr. Jackson to present again the Amendment to the Management Agreement even though it was presented to the Fiscal Affairs Committee and will be recommended by its Chairman.

Mr. Jackson:

In 1979 The Ohio State University entered into a management agreement with the Transportation Research Board of Ohio for managing the Center. One of the things that has happened since then was that the Transportation Research Board of Ohio has entered into an agreement with Bank One Trust Company for bonds to construct a crash facility. We have had up there for some years a crash simulator. This is an actual crash facility. Bonding was almost \$7 million dollars as a part of that agreement. In order to guarantee payment of those bonds, it was necessary to subordinate the management fee for the University. This is asking for your approval to amend our agreement with the Transportation Research Board to subordinate our management fee whereby it would be paid once-a-year within 90 days after the close of the year and should there not be sufficient funds would allow us to carry that forward as a receivable to future years. I would also add that if that should become a burden, there is the terms within the contract that we could cancel our management contract with the Research Board, so that I think there is not a long-term burden which would be insurmountable in the foreseeable future. Certainly I have every optimism that the facility in which it is constructed is going to add to the facility and certainly encourage the kind of work that was intended at the facility as it was to provide research capability for faculty and students at the University.

April 3, 1981 meeting, Board of Trustees

**AMENDMENT TO MANAGEMENT AGREEMENT WITH THE  
TRANSPORTATION RESEARCH BOARD OF OHIO (contd)**

Mr. Havens:

Mr. Chairman, I would choose before you vote on this to say that I don't think I should vote. I am director of the parent Banc One, so I would choose not to vote on it.

Mr. Devenow: We'll record you as abstaining.

Mr. Galbreath: I think, Mr. Chairman, for the same reason, I should abstain also.

Upon motion of Mr. Hilliker, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution with five affirmative votes and Messrs. Havens and Galbreath abstaining.

**AMENDMENT TO MANAGEMENT AGREEMENT**

THIS AMENDMENT AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, to become effective on or before November 1, 1980, by and between the TRANSPORTATION RESEARCH BOARD OF OHIO (hereinafter referred to as "TRBO"), East Liberty, Ohio 43319, a body both corporate and politic of the State of Ohio created by the General Assembly in Chapter 5507 of the Ohio Revised Code, and THE OHIO STATE UNIVERSITY (hereinafter referred to as "OSU"), 205 Administration Building, 190 North Oval Mall, Columbus, Ohio 43210.

THIS AMENDMENT, is to a Management Agreement entered into on the 7th day of June, 1979, whereby the TRBO engaged the services of OSU as the managing agent for the Transportation Research Center.

That agreement, contained a provision whereby in Article II, Section 8, OSU was to receive One Dollar (\$1.00) per year as payment for the administration of this Agreement and in addition, thereto, to recover from the TRBO funds all its direct and indirect costs, expenses and payments incurred to perform its obligation under this Agreement.

Also, Article III of said Management Agreement indicated that OSU shall have no financial responsibility whatsoever for the operation, management, supervision or direction of the Transportation Research Center and the obligations established by local, state or federal rules, regulations and laws, including Chapter 5507, and all financial responsibility for these activities shall be provided by TRBO through the TRBO account(s). Subsequent to this Management Agreement the TRBO issued Six Million Eight Hundred Ninety Thousand Dollars (\$6,890,000) in bonds in order to finance a new crash test facility at the Center.

As part of the sale of these bonds a trust was created, effective November 1, 1980, whereby the revenues of the TRBO were pledged as security for the payment of said bonds, and the Trustee is granted authority to pay on a priority basis, first to the Operating and Maintenance Fund for the Transportation Research Center, second to the Bond Fund, third to the Incidental Income Fund, fourth to the Debt Service Reserve Fund and fifth to the Management Fee Fund, the sum of \$20,833 monthly, or such other monthly sum as the Authorized Board Representative shall from time to time direct, for the payment of management services as provided in Section 8.10 of the Indenture. Not earlier than ninety (90) days after the



April 3, 1981 meeting, Board of Trustees

**AMENDMENT TO MANAGEMENT AGREEMENT (contd)**

close of the Fiscal Year and not more frequently than annually, the Trustee shall, upon the written request of the Authorized Board Representative, distribute to the Managing Agent such sum as the Authorized Board Representative shall direct in payment of management services performed in preceding Fiscal Years. In the event there are insufficient funds in any Fiscal Year to cover payment of such management services, any deficiencies shall be carried over as an obligation due to the Managing Agent until all such management services are paid. The Management Agreement is further amended that: Upon the occurrence of an event of default, the Trustee may, and upon the written request of the holders of not less than twenty-five percent in aggregate principal amount of Bonds then outstanding shall, terminate the management contract and remove the Managing Agent employed thereunder to operate and perform management services at the Center, by giving notice to the Board and the Managing Agent, which notice shall be effective upon its receipt. Promptly upon the receipt of such notice, but in any case not less than 30 days thereafter, the Board shall select a successor Managing Agent, acceptable to the Trustee, and enter into a management contract in accordance with the provisions and limitations contained in Section 8.10 hereof.

OSU hereby acknowledges it has read and is familiar with the Trust Indenture entered into by the TRBO, and further that as Managing Agent for the TRBO it hereby agrees to comply with all the terms and provisions in said Indenture in the management and operation of the Transportation Research Center.

It is, therefore, agreed by and between OSU and TRBO that the Management Agreement, entered into by and between the parties on the 7th day of June 1979, is hereby amended to be consistent with the provision in the Trust Indenture, established by the Transportation Research Center of Ohio, dated November 1, 1980, and Bank One the Trustee, under such Trust Indenture, whereby OSU to the extent set forth in said Trust Indenture, agrees to subordinate their claim for management compensation and management reimbursement in accordance with said Indenture and that the Management Agreement is amended and modified to be consistent with the Trust Indenture.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed to be effective as of the 1st day of November, 1980.

WITNESS:

THE TRANSPORTATION RESEARCH BOARD

\_\_\_\_\_

BY: \_\_\_\_\_  
Its Chairman - George J. Arnold

\_\_\_\_\_

ATTEST: \_\_\_\_\_

THE OHIO STATE UNIVERSITY

\_\_\_\_\_

BY: \_\_\_\_\_  
Its Vice President for Business and Admin.  
Richard D. Jackson

\_\_\_\_\_

ATTEST: \_\_\_\_\_

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April 3, 1981 meeting, Board of Trustees

## REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 81-108

RESOLVED, That the report on the University's Investment Portfolio, dated March 20, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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## REPORT - PRESIDENT ENARSON

I have several items to report. One is very simple. Spring has arrived at OSU in all areas of the campus. I walked around the hall this morning and I overheard the following comment by one of our OSU students. A young man talking to a young lady said, 'I'm going from bio to zoo-o; I'm scienced out.' I like to think that that's not true. In fact I'm confident that it is not true. In this great endless stream of human talent that comes in to the University and moves on to productive arenas of American life, we find the promise of the future. Driving down here this morning--somebody else was driving--I was able to browse through the substance, the descriptions of the research awards. I learned long ago that the description itself doesn't help me very much and sometimes I'm not helped very much by the layman's interpretation of it. I would hope that from time to time the Board members would browse through these grants because you get a really breathtaking grasp of the range and variety of research efforts underway--the vitality of our faculty. Here in one month alone--I announced a moment ago, the receipt of federal grants alone of roughly \$8.5 million--\$5.5 million of that, roughly, is attributable to our National Center for Research in Vocational Education which is funded on an annual basis from federal funds.

It's a spring day so I think I'll just report the good news. There was some bad news last night, but I won't report it--I'll let you find out for yourself. The good news is as follows--and this I got at about ten o'clock last night from Bill Napier who represents us very ably in the General Assembly. As those of you from the regional campuses, advisory councils, and staff are acutely aware, we were all of us extremely disturbed when we learned that the amounts indicated for the regional campuses showed unaccountable cuts of considerable magnitude below current levels of expenditure. This in the face of a commitment statement to the effect that all institutions would be held harmless on one score; that is, there would be no cut below a current existing level of appropriation. The subcommittee of the House Finance Committee--if I have the title right--met for a longish time last evening and acted on a number of items, and I am very pleased to report that we now have a dollar figure for each of the four campuses and it is--I'm 95 per cent sure, 99 per cent sure, as John is--that these are in fact last year's figures. To use an OSU metaphor or analogy or whatever, we're about half way through the first half. We've by no means won the game but all of us are enormously heartened. This came about because the Citizens Councils were alerted to this problem because they worked with us on the Columbus campus in presenting

April 3, 1981 meeting, Board of Trustees

**REPORT - PRESIDENT ENARSON (contd)**

this to the legislators. The legislators saw the problem and they responded. I'm extremely pleased with this development, which was not planned this closely. It's simply the luck of the draw. Mr. Chairman and members of the Board, I think I have nothing else to report.

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Mr. Devenow:

Thank you, Mr. President. This meeting will recess into Executive Session for the purpose of the Board considering legal issues. The Board will reconvene for adjournment following this session so we can receive the report from the regional campus so please don't leave us. We will be back as soon as the Executive Session is over.

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The Board reconvened following the Executive Session and the meeting adjourned without taking any action.

Thereupon the Board adjourned to meet Friday, May 1, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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**REPORT FROM MARION REGIONAL CAMPUS**

Vice President Mount called attention to a booklet entitled, "The Ohio State University at Lima, Mansfield, Marion, and Newark." He noted that in this booklet was a map of Ohio showing the counties in the geographic area served by the four regional campuses of Ohio State and also a graph which showed the enrollment from these counties at the Ohio State Columbus Campus and at the Regional Campuses.

Dr. Francis Hazard, Dean/Director, Marion Regional Campus, welcomed the members of the Board of Trustees to the Marion Campus. He stated that "Holding a Trustees' meeting on a regional campus each year has at least four results: (1) it cultivates our leadership; (2) it fosters teamwork; (3) it provides quality assurance of curriculum, instruction, and student services; (4) and most importantly, it motivates and cultivates community and alumni support."

April 3, 1981 meeting, Board of Trustees

### REPORT FROM MARION REGIONAL CAMPUS (contd)

Dr. David Citino, Associate Professor of English, spoke on behalf of the faculty at the Marion Campus. He shared some of the facts he had accumulated pertaining to the Marion Campus faculty. Ninety-six per cent of the faculty hold a Ph.D. degree or its equivalent. He said, "These scholars, teachers, writers, and artists have a firm commitment to offer to the citizens of the area the very best undergraduate--and occasionally, graduate--education they can. Their scholarly and artistic productivity is enhanced by close contact with students and their teaching is in turn enhanced by their scholarship."

Lisa Thogmartin, a sophomore majoring in English education and speech, spoke on behalf of the students with physical disabilities and discussed the efforts of the OSU Marion Campus to accommodate the needs of physically impaired students. She said, "... at OSU, I and all other students with a disability are welcome in every facet of life from student activities to classroom activities. . . . Now, because of all these experiences, I am ready to go on to the bigger world of the 'main campus' and then on with my career."

Chris Paterson attended the Marion Campus the first two years of college and was enrolled in a couple of courses there while commuting to Columbus this past year. Two out of every three students claim Marion as their first choice for college, while 70 per cent contend they would not have attended college if it had not been for the Regional Campus being close to their homes. Marion Campus students assert that their top priority is to be an authority in their field, while one-half expect to obtain a bachelor's degree and one-third anticipate getting their Master's degree. The main objective of the students is to transfer to Columbus and two out of every three expect to do so. Based on his use of the services and facilities in Columbus, Mr. Paterson stated that he found the transition very comfortable.

Dr. Stephen L. Stuart, Superintendent of the Marion City Schools, who represented the Citizens Council, said that he hoped the sincerity of these many welcomes adequately expressed the appreciation that is felt by the Citizens Councils for the commitment made by the trustees and administrators to the regional campus concept. He indicated that the Citizens Councils serve as the voice of the respective communities by providing consultation and advice on a wide variety of matters related to The Ohio State University.

Mr. Devenow:

Dean Mount, Dean Hazard, Dr. Citino, Dr. Stuart; we are delighted to be here, and you have made our stay here very pleasant. I think I speak for the whole Board when I tell you that you are certainly not a stepchild to us. We are deeply concerned about what happens here as well as the other campuses which constitute this great complex--one of the most important educational institutions maybe in the world at this point. I think all of our work--and I think I can speak for the whole Board; two of our members aren't here, unfortunately (we have a nine member board). But I think a lot of our work and the hours and the trauma and the torture that President Enarson and the rest of us put in were pretty well summed up in what Chris and Lisa told us today. That makes it all worth the while. It has been suggested and we would be delighted if any of you would like to come up and meet President Enarson, the staff or any Board member; you're welcome to do so and then we'll proceed with the rest. Thank you very much.

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-EIGHTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 1, 1981

The Board of Trustees met at its regular monthly meeting on Friday, May 1, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, and Leonard J. Immke.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

May 1, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related matters.

Present: Chester Devenow, Chairman, Patricia D. James, Warren J Smith, John D. Jacob, D. James Hilliker, Edmund C. Redman, and Leonard J. Immke.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

**ELECTION OF OFFICERS  
BOARD OF TRUSTEES**

Resolution No. 81-109

Mr. Galbreath presented the following:

WHEREAS pursuant to paragraph (B) of rule 3335-1-02 of the Administrative Code, the officers of the Board are to be elected at the May meeting to take office immediately following adjournment of the meeting (May 1, 1981) and shall hold their office through the May 1982 meeting:

NOW THEREFORE

BE IT RESOLVED, That the following slate of officers for 1981-82 be elected:

Chester Devenow, Chairman

Warren J Smith, Vice Chairman

Madison H. Scott, Secretary

Richard D. Jackson, Acting Treasurer

Upon motion of Mr. Galbreath, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

Mr. Galbreath:

Excuse me, Mr. Devenow, I think this might be appropriate not to let this slip by unnoticed. I have discussed this not only with the nominating committee but with those individuals that are involved and have complete unanimity in asking our present slate of officers to remain another year. I appreciate that sort of understanding and cooperation. I think it accomplishes a couple of major things: One is that our present officers can help us through a transition with a new University president which will be coming on this year some time and it also puts us back into the rotation of having a trustee potentially serve as chairman during his or her last year in office, and all of those that I have talked to still feel that



May 1, 1981 meeting, Board of Trustees

**ELECTION OF OFFICERS  
BOARD OF TRUSTEES (contd)**

Mr. Galbreath: (contd)

that original concept was good, and this will enable us to get back into phase, and among others I appreciate, Mr. Devenow, your willingness to serve another year. Thank you.

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Mr. Devenow asked Mrs. James to present two resolutions.

Mrs. James:

Thank you, Mr. Chairman. I'd like to present these resolutions, and for reasons which will become obvious, I'm going to read all of the WHEREASES:

**DISTINGUISHED SERVICE AWARD**

Resolution No. 81-110

*Synopsis: Recommendation for Audrey P. Enarson to receive a Distinguished Service Award is proposed.*

WHEREAS Audrey P. Enarson has served as "first lady" of The Ohio State University since 1972; and

WHEREAS during those years she has contributed immeasurably to the advancement of this University and to the creation of good will on its behalf; and

WHEREAS she has shared her life generously with others through a wide range of campus, community, and national groups; and

WHEREAS it is proposed that a Distinguished Service Award be presented to her for her outstanding contributions to the University and the University Community:

NOW THEREFORE

BE IT RESOLVED, That Audrey P. Enarson be awarded The Ohio State University Distinguished Service Award in recognition of her outstanding service.

Upon motion of Mrs. James, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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May 1, 1981 meeting, Board of Trustees

**ESTABLISHMENT OF THE HAROLD L. AND AUDREY P. ENARSON  
PROFESSORSHIP IN PUBLIC POLICY**

Resolution No. 81-111

*Synopsis: Establishment of the Harold L. and Audrey P. Enarson Professorship in Public Policy in the College of Administrative Science is proposed.*

WHEREAS on August 31, 1981, President Harold L. Enarson will have completed nine full years in office and will leave to his successor a fiscally sound institution, a student body that exceeds 59,000 on all campuses and whose main campus enrollment is the largest in the nation, a quality faculty and staff, and outstanding academic programs--many of which cannot be replicated by peer institutions; and

WHEREAS the criteria used by the search committee in the selection of President Enarson included the expectations that the new person should evidence a capacity for work with great intensity, energy, and dedication; that the individual's integrity, courage, and decisiveness should be exceptional and noteworthy; that the candidate should be articulate and persuasive and should have a comprehension of what constitutes excellence in teaching, scholarship, research, and service; and

WHEREAS in evaluating the President against these characteristics, the Board has concluded that Harold Enarson has met in a superb way the expectations set forth by the University in the course of its search; and

WHEREAS this Board has previously expressed its appreciation for President Enarson's efforts to strengthen and improve the quality of education and research at the University and to give this institution a sound, efficient, and responsive administration; and

WHEREAS the Board of Trustees appreciates fully the courage, dedication, and strong sense of excellence possessed by President Enarson, and salutes the contribution that these qualities have made to The Ohio State University:

NOW THEREFORE, BE IT RESOLVED, That the Board of Trustees, in recognition of President Enarson's distinguished service, wishes to establish, effective immediately, the Harold L. and Audrey P. Enarson Professorship in Public Policy in the College of Administrative Science; and

BE IT FURTHER RESOLVED, That to facilitate the implementation of this decision, the Vice President for Finance and Planning is hereby authorized and directed to take the appropriate action to transfer to the permanent endowment fund, from interest which has accrued to the University in its unrestricted endowment accounts, a sum sufficient in amount to insure the full funding of the Harold L. and Audrey P. Enarson Professorship in Public Policy.

Upon motion of Mrs. James, seconded by Mr. Devenow, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

May 1, 1981 meeting, Board of Trustees

**ESTABLISHMENT OF THE HAROLD L. AND AUDREY P. ENARSON  
PROFESSORSHIP IN PUBLIC POLICY (contd)**

President Enarson:

Mr. Chairman, that is a pretty big dose to absorb. No one achieves anything by oneself, and Audrey and I are very grateful to have been associated with this University. Thank you very much.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 81-112

*Synopsis: Resolutions honoring the service of five of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mrs. James, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Raymond L. Cummins

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 27, 1981, of Dr. Raymond L. Cummins, Associate Professor Emeritus in the College of Dentistry.

Dr. Cummins received his D.D.S. degree from The Ohio State University College of Dentistry in 1929. He was a member of the faculty from 1941-44. At that time he went into private practice. He returned as a faculty member in 1963 and retired June 30, 1975.

Dr. Cummins was a member of the Columbus Dental Society, the American Dental Association, and the Ohio Dental Association. He was also a member of Omicron Kappa Upsilon Dental Honorary Fraternity.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Robert Washington Haws

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 8, 1981, of Robert W. Haws, Professor Emeritus, Academic Faculty of Industrial Technology, College of Education.

May 1, 1981 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Robert Washington Haws (contd)

Born June 17, 1900, in Ceredo, West Virginia, he graduated from Ohio University in 1924 with a Bachelor of Science in Education degree. He received the Master of Arts degree in 1932 and the Doctor of Philosophy degree in 1947 from The Ohio State University.

Dr. Haws was first appointed to the faculty of the College of Education as a Lecturer in 1942. He was appointed an Assistant Professor in 1943, Associate Professor in 1955, and a Professor of Education in 1960. He became Professor Emeritus following his retirement in August, 1968.

Prior to his joining the University faculty, he taught industrial arts at Monroe (1922-1923), Jacksonville (1924-1925), Xenia (1926-1930), and Hamilton, Ohio (1930-1942). This 19 years of secondary school teaching, combined with 26 years at the University, make a career total of 45 years of dedicated teaching.

Robert W. Haws authored eight articles, contributed to several school survey reports, and coauthored a professional book for secondary school industrial arts teachers. He advised over fifty graduate students in the completion of their theses and dissertations. Despite this, his greatest interest was in teaching. Industrial arts teachers all over Ohio, as well as many in other states, lovingly and privately referred to him, in later years, as "Pappy." He sponsored their student organizations, was always available and willing to hear out students' problems or concerns, consistently received high ratings on student evaluations of his teaching, and was the ever-present, steady force through their student years. He was a dedicated and loved teacher.

Perhaps above all, there are many of us who remember him as both teacher and friend. We were fortunate to have known him as both, and we will continue to remember him.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Robert C. Higgy

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 21, 1981, of Robert C. Higgy, Associate Professor Emeritus, Department of Electrical Engineering.

Born December 7, 1901, in Columbus, Ohio, he graduated from The Ohio State University in 1925 with a Bachelor of Electrical Engineering degree. He was awarded the professional degree, Electrical Engineer, in 1937 from The Ohio State University.

An early pioneer in radio broadcast technology, Professor Higgy served as Instructor in the Electrical Engineering Division of the U. S. Army School of Military Aeronautics from 1917

May 1, 1981 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Robert C. Higgy (contd)

to 1918, prior even to his entry into the University and to formal training in electrical engineering. During the period 1919-1921, Professor Higgy designed, built and operated the original University radio station. The station, initially called 8XI began operation on an experimental basis in the Fall of 1919; regular programs began in 1920. The call letters of the station were changed to WEAO in 1922 and to WOSU in 1931. This radio station was one of the pioneering educational broadcasting stations and grew under his guidance and direction to become one of the largest and most widely known educational broadcasting stations in the United States offering AM, FM and later TV programming. Professor Higgy served as chief engineer of the station from 1925 to 1927 and then as station director and chief engineer from 1927 to 1956.

Professor Higgy joined the faculty of the Department of Electrical Engineering as Instructor in 1927 and retired in 1964 as Associate Professor Emeritus. During this period he taught extensively and continued to play an important role in the development of educational broadcasting in this country. Beginning in the 1920's and continuing until World War II, the OSU Department of Electrical Engineering was a national leader in the field of broadcast engineering. Also during this period, Professor Higgy served as a technical consultant to numerous radio and television broadcast stations. He was also founder and second president of the National Association of Educational Broadcasters.

Professor Higgy authored a book, *Fundamental Radio Experiments*, published in 1943 and contributed to the scientific literature regarding radio transmission. He was also very active in advancing the profession; he was the original organizer of the Columbus section of the Institute of Radio Engineers, the principal professional organization for electrical engineers.

Professor Higgy has made lasting impact upon the Department of Electrical Engineering in his contributions to its growth in size and stature and indeed will long be remembered for his pioneering contributions to the field of educational broadcasting.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Delbert Oberteuffer

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 26, 1981, of Delbert Oberteuffer, Professor Emeritus, School of Health, Physical Education and Recreation.

Born November 19, 1901, in Portland, Oregon, he graduated from the University of Oregon in 1923 with a Bachelor of Arts degree. He received both the Master's degree in 1924 and the Ph.D. degree in 1930 from Columbia University.

May 1, 1981 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Delbert Oberteuffer (contd)

Dr. Oberteuffer was Supervisor of Physical Education and Health Education for the State of Ohio from 1929 to 1932 when he came to the University and served as Professor of Physical Education for 34 years until his retirement in 1966. He was Chairman of the Men's Department of Physical Education for 25 years and was instrumental in developing a graduate program in physical education and health education that was nationally recognized for the quality of both its curriculum and faculty.

Dr. Oberteuffer was an articulate and dynamic spokesman for his profession and was in constant demand as a speaker. His class lectures challenged and stimulated thousands of graduate and undergraduate students. He wrote two basic textbooks, *Physical Education* and *School Health Education*, which were standard references throughout the country for many years. Both have been revised several times and continue to be used today.

It is uncommon for one person to achieve such eminence in a single field, but Dr. Oberteuffer was an acknowledged leader in two fields: health education and physical education. This duality is unique because he is the only person to receive both the Luther H. Gulick Award--the highest honor in physical education from the American Alliance for Health, Physical Education, Recreation and Dance and the William A. Howe Award--the highest honor in health education from the American School Health Association. He also was the recipient of the Hetherington Award granted by the American Academy of Physical Education. Ohio Wesleyan University, Bowling Green State University, and Ashland College all have conferred honorary degrees upon Dr. Oberteuffer. He received the Distinguished Service Award from The Ohio State University in 1969.

The excellent reputation which The Ohio State University enjoys today in the areas of physical education and health education is convincing testimony to his personal leadership and his judgment and foresight in selecting faculty members. The University is the fortunate possessor of an Oberteuffer tradition which is a source of great strength and inspiration. His legacy will be carried on by the Oberteuffer Memorial Lecture Series which was established this year by the School of Health, Physical Education and Recreation.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Louis E. Reif

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 11, 1981, of Dr. Louis E. Reif, Assistant Professor Emeritus in the College of Dentistry.

Dr. Reif received his D.D.S. degree from The Ohio State University College of Dentistry in 1916. He was a member of the faculty from 1916 until he retired in 1962. He also maintained a successful private practice. He served as a Captain in the U. S. Army Dental Corps, World War I.

May 1, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Louis E. Reif (contd)

Dr. Reif was a member and past president of the Columbus Dental Society, a member of the American Dental Association, the Ohio Dental Association, and Omicron Kappa Upsilon Dental Honorary Fraternity. He assisted Dr. Ed Mills in establishing the Dr. John Harris Dental Museum at Bainbridge, Ohio.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY**

Resolution No. 81-113

*Synopsis: Amendments to paragraphs (A) and (C) of rule 3335-7-32 and rule 3335-9-20 of Rules of the University Faculty are proposed.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to the *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in the *Rules of the University Faculty* were approved by the University Senate on April 11, 1981, as follows:

3335-7-32 Withdrawal from courses or from the university.

- (A) Withdrawal from the university during a quarter constitutes withdrawal from all courses in which a student is enrolled during that quarter. Upon official notification of the student's withdrawal from the university, the director of registration, records and scheduling is authorized to enter the dated notation "withdrew" on the student's official permanent record.
- (C) Until five p.m. of the fourth Friday of a quarter (third Friday of the relevant term for summer term courses) a student may withdraw from any or all courses which began in the same quarter (or term), and no record for the course(s) will be entered on the student's official permanent record.

3335-9-20 Improper admission or registration.

Admission or registration may be cancelled by the assistant vice president for registration services (or the designated director of admissions or of registration,

May 1, 1981 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

records and scheduling) in cases of improper registration or when false or incomplete information is provided on the application for admission, registration forms, or other official documents. No credits earned subsequent to such cancellation and prior to proper admission or registration shall be entered upon the permanent record of the student. Students whose admission or registration is cancelled are not entitled to any refund of fees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the *Rules of the University Faculty* be adopted by the Board of Trustees for inclusion in the next publication of this document.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT**

Resolution No. 81-114

*Synopsis: Approval is being requested for awarding degrees and certificates for Spring Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on June 12, 1981, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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May 1, 1981 meeting, Board of Trustees

**CHANGE "WILLIAM H. DAVIS PROFESSORSHIP IN THE AMERICAN  
FREE ENTERPRISE SYSTEM" TO "WILLIAM H. DAVIS CHAIR  
IN THE AMERICAN FREE ENTERPRISE SYSTEM"**

Resolution No. 81-115

*Synopsis: Change "William H. Davis Professorship in the American Free Enterprise System" to "William H. Davis Chair in the American Free Enterprise System" is being proposed.*

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Chairs," which was subsequently modified March 3, 1972, and renamed "Endowed Chairs" and was modified further on May 5, 1978; and

WHEREAS the Board of Trustees on December 15, 1976 approved the establishment of an "Endowed Professorship" to be known as "William H. Davis Professorship in the American Free Enterprise System"; and

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates; and

WHEREAS at the time of the establishment of the "Endowed Professorship" it was agreed that the professorship be redesignated the William H. Davis Chair in the American Free Enterprise System when the level of funding is sufficient to endow a chair; and

WHEREAS the level of funding has now reached the level required through unexpended earnings on the original investment:

NOW THEREFORE

BE IT RESOLVED, That the William H. Davis Professorship in the American Free Enterprise System be changed to the William H. Davis Chair in the American Free Enterprise System.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-116

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointment, Reappointment of Chairmen of Departments and Academic Faculty, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles are recommended for approval.*

May 1, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the April 3, 1981 meeting of the Board, including the following Appointment, Reappointment of Chairmen of Departments and Academic Faculty, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles as detailed in the University Budget, be approved.

Appointment

Name: JEREMY COHEN  
Title: Associate Professor (Samuel and Esther Melton Chair of Jewish History and Studies)  
Department: History  
Salary: \$25,080.00 (9-months)  
Effective: January 1, 1982  
Present Position: Assistant Professor of Medieval Jewish History and Coordinator, Program of Jewish Studies, Cornell University, Ithaca, New York

Reappointment of Chairmen of Departments and Academic Faculty

October 1, 1981 through September 30, 1985

Accounting	John K. Shank
Black Studies	William E. Nelson
Political Science	Randall B. Ripley

July 1, 1981 through June 30, 1983

Animal Science	George R. Johnson
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July 1, 1981 through June 30, 1985

Entomology	D. Lyle Goleman
Industrial Design	Charles Wallschlaeger

Medical Staff Appointments

Name	Appointment	Clinical Division
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Effective March 11, 1981

Mangala Venkatesh, M.D.	Limited Staff in Neurology	Medicine
Donald L. Sharps, M.D.	Limited Staff	Pediatrics
Brian Lowery, M.D.	Attending Staff in Thoracic Surgery	Surgery

May 1, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff Appointments (contd)

Name	Appointment	Clinical Division
Effective March 19, 1981		
Paul E. Weathers, M.D.	Attending Staff	Family Medicine
Effective April 1, 1981		
Sheldon Roberts, M.D.	Limited Staff	Family Medicine
Bruce Spring, M.D.	Limited Staff	Family Medicine

Leaves of Absence Without Salary

MICHAEL LES BENEDICT, Professor, Department of History, effective April 1, 1982 through March 31, 1983, to accept a Fulbright Award to teach in Japan.

SAMUEL CHU, Professor, Department of History, effective October 1, 1981 through June 30, 1982, to accept a Research Fellowship awarded by the Committee on Advanced Study in China for the academic year 1981-82.

ROBERT J. LENARDON, Professor, Department of Classics, effective October 1, 1981 through March 31, 1982, to serve as Visiting Professor of Humanities Studies at the University of New York at Albany.

LINDA GORDON HOWARD, Associate Professor, College of Law, effective May 1, 1981 through June 30, 1981, to present a paper at the New Zealand Law Society 1981 Conference on Law and to conduct a series of seminars for the New Zealand Commission on Human Rights and for the U. S. International Communications Agency in India and Japan.

PHILIP W. BALLINGER, Assistant Professor, School of Allied Medical Professions, effective April 20, 1981 through July 31, 1981, to revise a radiological text.

MARY BREESE, Assistant Professor, School of Allied Medical Professions (Medical Dietetics Division), effective July 1, 1981 through August 31, 1981, for personal reasons.

Professional Improvement Leave

CARTER V. FINDLEY, Associate Professor, Department of History, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

May 1, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Emeritus Titles**

CHARLES E. CARLUT, Department of Romance Languages and Literatures, with the title Professor Emeritus, effective July 1, 1981.

C. WAYNE ELLETT, Department of Plant Pathology, with the title Professor Emeritus, effective May 1, 1981.

EARLE W. KLOSTERMAN, Department of Animal Science, with the title Professor Emeritus, effective April 1, 1981.

WILLIAM MOLNAR, Department of Radiology, with the title Professor Emeritus, effective January 1, 1981.

Upon motion of Mrs. James, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-117

*Synopsis: The reports on contracts, grants, and gifts and the summary for March are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

**NOW THEREFORE**

**BE IT RESOLVED**, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of March 1981, be approved.

Upon motion of Mr. Immke, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MARCH 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	63	\$4,350,645.00
Engineering Experiment Station	37	176,248.00
		\$4,526,893.00
The Ohio State University Development Fund	Gifts	
January	3,723	\$ 277,295.00
February	2,981	862,383.61
March	8,237	994,808.41

**Establishment of Named Funds**

The Dr. Mars G. Fontana Endowment Fund (Professorship - Department of Metallurgical Engineering)	\$ 16,538.75
The Delos D. Wickens Lectureship Fund (Department of Psychology)	\$ 7,178.00

**Change in Description of Named Fund**

Dai Ho Chun Graduate Fellowship Fund

**Report from Presidents Club**

Members to date	4,461
1981 members: year to date	38
New members - March 1981	15

**New Presidents Club Members - March 1981**

Michael J. Arena	Jean Moxley (Mrs. John F.)
Thomas M. Bashore	John G. Reiner
Michael W. Bertz	Berenice J. Richard
Brenton H. Carey	Susan D. Stalnaker (Mrs. Russell R.)
Phillip K. Fulkerson	John M. Stang
Donna M. Gold (Mrs. Stuart A.)	Donald V. Unverferth
Joseph P. Harrison	Robert I. Yeoman
John R. Miller	

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

THIRD QUARTER SUMMARY

January 1, 1981 through March 31, 1981

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Source	No. of Projects	Support Level
FEDERAL		
National Aeronautics and Space Administration	7	\$ 271,270.00
National Science Foundation	31	1,459,763.40
Department of Defense	15	1,346,225.00
Department of Energy	8	1,138,405.00
Department of Education	10	6,995,081.00
Department of Health and Human Services	35	2,168,130.00
Other Federal	26	6,928,248.00
TOTAL - FEDERAL	132	\$20,307,122.40
STATE OF OHIO	15	\$ 517,251.00
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	69	\$ 3,485,724.00
GRAND TOTAL	216	\$24,310,097.40

May 1, 1981 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

THIRD QUARTER SUMMARY

January 1, 1981 through March 31, 1981

ENGINEERING EXPERIMENT STATION

Source	No. of Projects	Support Level
FEDERAL	1	\$ 20,705.00
STATE OF OHIO	2	7,264.00
INDUSTRIAL AND OTHER	80	483,768.00
GRAND TOTAL	83	\$511,737.00

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Federal Research Contracts/Grants

\$778,936.00 - Department of Education, National Institute of Education, Washington, D. C., Institutional Grant, National Center for Research in Vocational Education (R. E. Taylor), 1 March 1981 through 30 November 1981. (Project 762530 - Continuation)

\$699,000.00 - Department of Energy, Argonne, Illinois, High Energy Physics, Department of Physics (T. A. Romanowski, K. Reibel, N. W. Reay, N. Stanton, T. Y. Ling, W. Palmer, K. Tanaka, K. Lane, S. Pinsky, and W. Wada), 1 February 1981 through 31 January 1982. (Project 762116 - Continuation)

\$315,678.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Clinical Research Center Branch, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (H. G. Cramblett) and Department of Medicine (W. B. Malarkey), 1 December 1980 through 30 November 1981. (Project 761196 - Continuation)

\$250,000.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., Design Study for an Actively Terrain-Adaptive Off-Road Vehicle, Department of Mechanical Engineering (K. J. Waldron) and Department of Electrical Engineering (R. B. McGhee), 29 January 1981 through 28 January 1982. (Project 762565 - New)

\$193,345.00 - Environmental Protection Agency, Chicago, Illinois, Technical Assessment of the Lake Erie Intensive Study, Center for Lake Erie Area Research (C. Herdendorf), 1 March 1981 through 28 February 1982. (Project 762099 - Continuation)

\$153,325.00 - Department of Energy, Argonne, Illinois, Pulse Radiolysis Studies of Fast Reactions in Molecular Systems, Department of Chemistry (L. M. Dorfman), 1 February 1981 through 31 January 1983. (Project 762589 - Continuation)

\$139,913.00 - National Science Foundation, Washington, D. C., Complex Animation and Complex Object Synthesis, Department of Art Education (C. A. Csurik), Department of Computer and Information Science (R. E. Parent), and Department of Electrical Engineering (K. W. Olson), 1 April 1981 through 31 March 1982. (Project 762077 - Continuation)

\$113,169.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Unsaturated Fatty Acids, Prostaglandins and Diabetes, Department of Physiological Chemistry (H. W. Sprecher), 1 April 1981 through 31 March 1982. (Project 760745 - Continuation)



May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$106,623.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunity to Tumor - Localized, Chemically-Modified Drugs, Department of Pathology (R. F. Barth), 1 January 1981 through 31 December 1981. (Project 761801 - Continuation)

\$93,501.00 - National Science Foundation, Washington, D. C., Dynamics and Control of Industrial Manipulators and Legged Locomotion Systems, Department of Electrical Engineering (R. B. McGhee, C. A. Klein, and S. H. Koozekanani), 1 January 1981 through 31 December 1981. (Project 761487 - Continuation)

\$83,922.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Post-Transcriptional Control in Eukaryotic Cells, Department of Physiological Chemistry (T. E. Webb and D. E. Schumm), 1 April 1981 through 31 March 1982. (Project 760063 - Continuation)

\$79,971.00 - Department of the Navy, Naval Air Systems Command, Washington, D. C., Sophisticated Jammers and Adaptive Arrays, Department of Electrical Engineering, ElectroScience Laboratory (R. T. Compton), 23 March 1981 through 22 March 1982. (Project 762581 - Continuation)

\$79,364.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Vestibular Control of Posture, Department of Otolaryngology (C. W. Stockwell), 1 April 1981 through 31 March 1982. (Project 760820 - Continuation)

\$68,448.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Pharmacology of Novel Antiabortifacients, College of Pharmacy (R. G. Rahwan), 1 April 1981 through 31 March 1982. (Project 762609 - New)

\$67,415.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Deletions and Mitochondrial Genetic Recombination, Department of Genetics (P. S. Perlman and C. W. Birky), 1 April 1981 through 31 March 1982. (Project 764400 - Continuation)

\$57,551.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1981 through 31 March 1982. (Project 762083 - Continuation)

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$53,467.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Electrically Small Antennas, Department of Electrical Engineering, ElectroScience Laboratory (J. H. Richmond and C. H. Walter), 1 May 1981 through 30 April 1982. (Project 761622 - Continuation)

\$50,000.00 - National Endowment for the Humanities, Washington, D. C., The American Women's Movement in the Post Second World War Two Period, Department of History and Center for Women's Studies (L. J. Rupp) and Department of Sociology (V. A. Taylor), 1 April 1981 through 31 March 1983. (Project 762602 - New)

\$49,699.00 - Department of Energy, Laramie Energy Technology Center, Laramie, Wyoming, Structural and Fracture Mechanics Modeling Associated with Underground Coal Conversion, Department of Engineering Mechanics (S. H. Advani), 1 April 1981 through 31 March 1982. (Project 762087 - Continuation)

\$48,819.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Corneal Environment, College of Optometry (R. M. Hill), 1 April 1981 through 31 March 1982. (Project 761080 - Continuation)

\$47,758.00 - National Science Foundation, Washington, D. C., Chemistry of Metal-Carbon Sigma Bonds, Department of Chemistry (A. A. Wojcicki), 1 July 1981 through 30 June 1982. (Project 761787 - Continuation)

\$40,368.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Survival Factors (Nodes, Histology), E-B Virus-Nasopharyngeal Carcinoma, Department of Otolaryngology (D. E. Schuller), 1 April 1981 through 31 March 1982. (Project 761591 - Continuation)

\$40,000.00 - National Science Foundation, Washington, D. C., Role of Alpha-Lactalbumin in Lactose Biosynthesis, Department of Chemistry (L. J. Berliner), 1 May 1981 through 30 April 1982. (Project 761432 - Continuation)

\$37,000.00 - Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Jam Resistant Communications Systems Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski and W. D. Burnside), 4 February 1981 through 30 September 1981. (Project 761461 - Continuation)

\$34,995.00 - Naval Research Laboratory, Washington, D. C., Developments in Acoustic, Electromagnetic, and Elastic Wave Scattering, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 1 February 1981 through 1 February 1982. (Project 762599 - New)

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$26,000.00 - Department of Education, Office of Special Education, Washington, D. C., Inservice Training for School Administrators and Special and Secondary Schools, Academic Faculty for Exceptional Children (T. M. Stephens, J. O. Cooper, and S. McCormick), 1 June 1981 through 31 May 1982. (Project 762139 - Continuation)

\$25,672.00 - National Science Foundation, Washington, D. C., Singular Integral Operators on Homogeneous Spaces, Department of Mathematics (A. Dynin), 1 July 1981 through 30 June 1983. (Project 762622 - New)

\$21,816.00 - National Science Foundation, Washington, D. C., Algebraic Combinatorics, Department of Mathematics (E. Bannai), 1 July 1981 through 30 June 1983. (Project 761630 - Continuation)

\$18,500.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. Walter, R. Marhefka, and R. Rudduck), 26 January 1981 through 30 April 1981. (Project 761784 - Continuation)

\$18,493.00 - National Science Foundation, Washington, D. C., Environmental History of Toolik Lake and Toolik Drainage: A Component of Project ALPS (Arctic Lake Process Studies), Institute of Polar Studies and Department of Zoology (P. A. Colinvaux), 23 February 1981 through 31 October 1981. (Project 761102 - Continuation)

\$14,000.00 - National Science Foundation, Washington, D. C., High Energy Physics Search for Long-Lived Particles Resulting from Neutrino Interactions in a Tagged Emulsion Spectrometer, Department of Physics (T. A. Romanowski), 1 April 1981 through 31 March 1983. (Project 762620 - New)

\$13,954.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Ohio Statewide Cancer Control Support Development Grant, Cancer Research Center (C. J. Cavalaris), 1 September 1980 through 31 August 1981. (Project 761832 - Continuation)

\$10,000.00 - Argonne National Laboratory, Argonne, Illinois, The Dissolution Kinetics of Titanate Waste Form Compounds, Department of Ceramic Engineering (D. W. Readey and E. Bright), 1 February 1981 through 31 May 1981. (Project 762597 - New)

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$9,740.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Division of Nursing, Hyattsville, Maryland, Recruit, Select and Train Minorities - Graduation and Work, School of Nursing (E. L. Fritz), 1 March 1979 through 21 March 1980. (Project 761056 - Continuation)

\$9,087.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weislogel), 17 December 1980 through 30 June 1981. (Project 762359 - Continuation)

\$9,031.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1979 through 30 June 1980. (Project 761133 - Continuation)

\$7,000.00 - Department of Education, Office of Special Education, Washington, D. C., The Ohio State University Preservice/Inservice Training Project for Special Education Personnel, Academic Faculty for Exceptional Children (M. E. Ward), 1 June 1981 through 31 May 1982. (Project 762171 - Continuation)

\$5,680.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Regulation of Dihydrofolate Reductase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 July 1980 through 30 June 1981. (Project 761710 - Continuation)

\$4,000.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Test Data Processing and Analysis Related to the SRL-10 System, Department of Electrical Engineering (H. Hemami), 1 February 1981 through 30 April 1981. (Project 762617 - Continuation)

\$3,000.00 - National Endowment for the Arts, Washington, D. C., Photography Exhibition, Department of Photography and Cinema (J. R. Green), 1 July 1980 through 30 June 1981. (Project 762604 - New)

\$2,879.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Alpha-Adrenergic and Dopaminergic Stereochemical Studies, College of Pharmacy (D. D. Miller), 1 September 1980 through 31 August 1981. (Project 761349 - Continuation)

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$1,920.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Spectroelectrochemistry of Bio-Electron Transfers, Department of Chemistry (T. Kuwana), 1 September 1980 through 31 December 1981. (Project 763359 - Continuation)

\$1,638.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Study to Determine the IFR Operational Profile of the General Aviation Single-Pilot, Department of Aviation (G. S. Weislogel and G. C. Chapman), 4 March 1981 through 30 June 1981. (Project 761869 - Continuation)

\$1,169.00 - Environmental Protection Agency, Chicago, Illinois, Lake Erie Monitoring Program: Main Lake Water Quality and Cladophora, Center for Lake Erie Area Research (C. E. Herdendorf) and Department of Civil Engineering (R. C. Stiefel), 1 July 1980 through 30 June 1981. (Project 762280 - Continuation)

\$750.00 - National Science Foundation, Washington, D. C., Science Faculty Professional Development Program, School of Natural Resources (R. E. Roth), 13 February 1981 through 30 June 1981. (Project 762585 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$3,886,596.00**

**State of Ohio Research Contracts/Grants**

\$242,500.00 - State of Ohio, Department of Agriculture, Columbus, Ohio, Hog Accelerated Marketing System - A Pilot Project for Computerized Electronic Marketing of Slaughter Hogs, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and E. D. Baldwin), 2 September 1981 through 31 January 1982. (Project 761446 - Continuation)

\$50,000.00 - State of Ohio, Department of Energy, Columbus, Ohio, Home Energy Conservation with Emphasis on Rural Areas, Cooperative Extension Service - State Operations (P. R. Thomas), 2 March 1981 through 28 February 1982. (Project 762576 - New)

\$13,386.00 - State of Ohio, Department of Energy, Columbus, Ohio, Energy Data Services, Department of Geology and Mineralogy (P. N. Webb), 24 March 1981 through 30 November 1981. (Project 762614 - New)

\$4,825.00 - Ohio Historical Society, Columbus, Ohio, Blacks in the Reeb-Hosack Area, Department of Black Studies (W. E. Nelson), 15 November 1979 through 30 June 1980. (Project 762512 - New)

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$3,500.00 - Ohio Arts Council, Columbus, Ohio, Stage Production of Samuel Beckett's Plays: "A Pice of Monologue" and "Ohio Impromptu," Department of English (M. Beja and S. Gontarski) and Department of Romance Languages and Literatures (P. Astier), 1 February 1981 through 30 June 1981. (Project 762613 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 314,211.00

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$30,300.00 - World Health Organization, Human Reproduction Unit, Geneva, Switzerland, Collection and Processing of Baboon Pregnancy Urine, Department of Obstetrics and Gynecology (V. C. Stevens), 1 January 1981 through 31 December 1981. (Project 762611 - New)

\$21,930.00 - Texas A & M Research Foundation, College Station, Texas, Formal Analytical Structure for Manned Systems Technology, Department of Industrial and Systems Engineering (R. A. Miller), 12 February 1981 through 15 December 1981. (Project 762598 - New)

\$16,307.00 - University of Illinois, Champaign, Illinois, Region V Child Welfare Training Center, College of Social Work (R. O. Washington), 12 March 1981 through 30 June 1981. (Project 761930 - Continuation)

\$14,185.00 - Technicon Instruments Corporation, Tarrytown, New York, Trace Organic Analysis by a Combination of Optical and Electrochemical Methods, Department of Chemistry (R. L. McCreery), 1 April 1980 through 31 March 1982. (Project 762616 - New)

\$13,596.00 - Southwest Oncology Group, Kansas City, Kansas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Medicine (H. E. Wilson and S. Balcerzak), 1 January 1981 through 31 March 1982. (Project 760617 - Continuation)

\$12,000.00 - The Arthritis Foundation, Central Ohio Chapter, Columbus, Ohio, Immunoregulation and Autoimmunity, Department of Medicine (R. L. Whisler), 1 April 1981 through 31 March 1982. (Project 760620 - Continuation)

\$10,126.00 - Oregon State University, Corvallis, Oregon, Socioeconomic Analysis of Repository Siting, Department of Agricultural Economics and Rural Sociology (T. L. Napier), 1 January 1981 through 30 September 1981. (Project 762601 - Continuation)

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$9,998.00 - General Foods Corporation, Pet Foods Division, White Plains, New York, Evaluation of Semi-Moist Food Formulae for Susceptibility to Mite Infestation, Department of Entomology (D. E. Johnston), 1 February 1981 through 31 January 1982. (Project 762610 - Continuation)

\$6,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, The Electrocardiogram and Acute Pericarditis, Department of Medicine (P. K. Fulkerson and W. Wanner), 1 July 1981 through 31 December 1981. (Project 762603 - New)

\$6,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Radionuclide Assessment of LV Function, Departments of Medicine and Radiology (T. M. Bashore) and Department of Medicine (D. J. Magorien), 1 July 1981 through 31 December 1981. (Project 762605 - New)

\$5,405.00 - Southwest Oncology Group, Kansas City, Kansas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Pathology (R. O'Toole), 1 January 1981 through 31 December 1981. (Project 761460 - Continuation)

\$2,991.00 - The University of Missouri, Columbia, Missouri, Modified Nucleosides in Plasma Cell Dyscrasis, Department of Preventive Medicine (M. L. Moeschberger), 1 January 1981 through 30 June 1981. (Project 762579 - New)

\$1,000.00 - North Central Technical Institute, Wausau, Wisconsin, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-  
FEDERAL RESEARCH CONTRACTS/GRANTS

\$ 149,838.00

**ENGINEERING EXPERIMENT STATION**

**Federal Sponsored Research and Development**

\$20,705.00 - federal funds for a development project under the direction of the Department of Welding Engineering.

**State Sponsored Research and Development**

\$7,264.00 - two state agencies for two development projects under the direction of two separate departments of the College of Engineering.

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**Industrial and Other Sponsored Research and Development**

\$148,279.00 - various industries for 34 development projects under the direction of seven engineering departments and research areas.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$32,500.00 - The Dow Chemical Company, Midland, Michigan--\$12,500.00 for Dow Research Fellowship; \$10,000.00 for Dow Fellowship in Selective Oxygenation; and \$10,000.00 for Endowed Professorship in Plant Protection.

\$27,065.00 - Eli Lilly and Company, Indianapolis, Indiana--\$20,065.00 for Infectious Disease Research Fund and \$7,000.00 for Eli Lilly and Company Organic Chemistry Research Fund.

\$15,115.00 - Bell Laboratories, Columbus, Ohio--\$11,361.00 for Department of Computer and Information Science Chairman's Discretionary Fund and \$3,754.00 for Electrical Engineering Chairman's Discretionary Fund.

\$12,249.35 - The Refractories Institute, Pittsburgh, Pennsylvania, for Refractories Institute Research Fund.

\$10,045.64 - Systems Associates, Inc., Columbus, Ohio (given in the names of Robert H. Herbst, Robert T. Clutterbuck, Thomas M. Bashore, John M. Stang, Donald V. Unverferth, and Phillip K. Fulkerson), for Cardiology Support Fund.

\$10,000.00 - Estate Under the Will of Jennings Neil Stanbery, Chicago, Illinois, as an undesignated gift to the University.

\$10,000.00 - Synthes AG, CH - 7002 Chur/Switzerland, for Hans Willenegger Residency in Veterinary Surgery.

\$9,422.07 - Hans Willenegger, M.D., 3008 Bern, Switzerland, for Hans Willenegger Residency in Veterinary Surgery.

\$8,940.00 - Children's Hospital, Columbus, Ohio, for Retina Research Fund.

\$8,168.09 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$8,158.00 - The Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$8,149.37 - Merry Makers Club, Columbus, Ohio, for Ohio State National Merit Scholarship Fund.



May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$7,716.00 - The Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.

\$7,500.00 - Foundation for Agronomic Research, Inc., Atlanta, Georgia, for Potash and Phosphate Institute.

\$7,163.62 - Estate Under the Will of Hallie H. Winnette, Marion, Ohio, for Diabetes Research Fund.

\$6,750.00 - Farmland Industries, Inc., Kansas City, Missouri, for Special NC-151 Fund.

\$6,700.00 - Advanced Drainage System, Inc., Columbus, Ohio, for Overholt Drainage Education and Research Fund in Agricultural Engineering.

\$6,500.00 - Capital City Products Company, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,503.88 - Friends of Emmy Eich-Seidel, Buchs 8107, Switzerland, for Richard L. Meiling Chair of Obstetrics and Gynecology.

\$5,000.00 - Conoco, Inc., Ponca City, Oklahoma, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - PPG Industries Foundation, Pittsburgh, Pennsylvania, for Affirmative Action Program in Engineering Fund.

\$5,000.00 - Dr. M. Henry Speck, Youngstown, Ohio, for Drs. M. Henry and Myron E. Speck Fund.

\$5,000.00 - Total Communication Systems, New Kensington, Pennsylvania, for OSU Scholarship Fund.

Gifts-in-Kind

\$20,244.94 - James P. Ross, Columbus, Ohio--(\$10,122.47) 1,333 shares of Wendy's International stock for Ohio State National Merit Scholarship Fund and (\$10,122.47) 1,333 shares of Wendy's International stock for Milton Caniff Research Room.

\$15,000.00 - Maureen Sturtz, Columbus, Ohio, six-year-old Quarter Horse gelding, Jus Blue.

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Dr. Mars G. Fontana Endowment Fund**

The Dr. Mars G. Fontana Endowment Fund was established May 1, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Dr. Mars G. Fontana.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

All income is to be added to the principal until the fund reaches \$250,000. At that time eighty percent (80%) of the annual income is to be used to endow and/or augment a professorship in the Department of Metallurgical Engineering. Recipients shall at no time be a department chairman, dean, or person in a comparable administrative position, past or present. The remaining twenty percent (20%) of the annual income is to be added to the endowment fund principal.

Should the need for this fund cease to exist or so diminish as to provide insufficient funds to continue the endowed professorship, then the income is to be used as determined by the Board of Trustees to provide scholarships primarily for qualified and needy students in the Department of Metallurgical Engineering. Recipients are to be determined by the appropriate administrative official directly responsible for the College of Engineering and the Department of Metallurgical Engineering.

**The Delos D. Wickens Lectureship Fund**

The Delos D. Wickens Lectureship Fund was established May 1, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from former students, friends, colleagues and admirers of Professor Delos D. Wickens of the Department of Psychology, in his honor.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be added to the principal and both will be used to support a lecture series in psychology. Use of the funds will be designated by the Chairman of the Department of Psychology and approved by the Dean of the College of Social and Behavioral Sciences.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the scientific study of psychology.

May 1, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Change in Description of Named Fund

Dai Ho Chun Graduate Fellowship Fund

The Dai Ho Chun Graduate Fellowship Fund was established June 8, 1978 by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Dai Ho Chun, Ph.D. '47, of Honolulu, Hawaii. Dr. Chun endowed the fund in honor of Dr. Harold Alberty, Dr. Boyd H. Bode, Dr. Edgar Dale, Dr. H. Gordon Hullfish, Dr. Ross L. Mooney and Dr. Louis E. Raths.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more graduate fellowships for College of Education students who have been admitted to candidacy for the doctoral degree. The selection of the recipients for the award will be made annually upon the recommendation of the Dean of the College of Education.

The purpose of the fellowship fund is to recognize, encourage and assist outstanding graduate students in education at The Ohio State University who demonstrate promise in contributing much to society.

Should the need for these fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for graduate education.

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**PLANS AND SPECIFICATIONS**

Resolution No. 81-118

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

May 1, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**PAGE HALL, RENOVATION OF ROOMS 200 AND 220**

Project: Repair of deteriorated plaster which is causing hazard to occupants of area; ceiling plaster falling in both rooms 200 and 220.

Funding: Budget Account 885158

Estimated Project Cost: \$55,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contract; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 81-119

*Synopsis: A contract has been awarded for the project listed below to the lowest and best bidder in accordance with University procedures.*

WHEREAS a resolution adopted by the Board of Trustees at a previous meeting authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of a contract for the following project:

**DERBY HALL, INSTALLATION OF SPRINKLER  
SYSTEM FOR FIRE PROTECTION**

Description: Installation of complete automatic sprinkler protection in the Bookstore area of Derby Hall. The system is designed so that it can be enlarged to cover the entire building. This project is the final one in a series of partial sprinkler systems funded in the safety program approved and funded by the Ohio Board of Regents in October, 1975.

May 1, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

**Mechanical Contract**

Date Received: April 16, 1981

No. of Bids: 4

Low Bid: \$33,500.00

High Bid: \$45,940.00

Estimate of Cost: \$56,000.00

Awarded to: Capital Fire Protection Co., Columbus, Ohio

Total Contract: \$33,500.00

Total Contingency Allowance: \$ 5,025.00 which is 15 per cent of construction costs

Total Project Cost: \$44,715.00

Funding: Budget Account 885043 (Campus Safety Improvements)  
funds received Ohio Board of Regents

**NOW THEREFORE**

**BE IT RESOLVED**, That pursuant to the action previously authorized by the Board, the award of a contract and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**President Enarson:**

The next action is the single most important action that is to be taken today and if I may editorialize for a brief moment, one of the most important actions that is to be taken in the entire period that I have been privileged to serve this University. This is the specific recommendation that the administration be authorized to seek appropriate enabling legislation to effect the merger of the Ohio Agricultural Research and Development Center into The Ohio State University and, Mr. Chairman, I think you may wish to call upon one of your colleagues to present this.

May 1, 1981 meeting, Board of Trustees

Mr. Galbreath:

This is an authorization to seek appropriate enabling legislation to effect a merger of the Ohio Agricultural Research and Development Center into The Ohio State University.

**AUTHORIZATION TO SEEK APPROPRIATE ENABLING LEGISLATION TO EFFECT THE MERGER OF THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER INTO THE OHIO STATE UNIVERSITY**

Resolution No. 81-120

*Synopsis: Authorization to seek appropriate enabling legislation to effect the merger of the Ohio Agricultural Research and Development Center into The Ohio State University is proposed.*

WHEREAS the Board of Trustees of The Ohio State University and the Board of Control of the Ohio Agricultural Research and Development Center have agreed upon the desirability of merging the Ohio Agricultural Research and Development Center into The Ohio State University; and

WHEREAS there has been agreement on the suggested wording of a legislative proposal to be presented to the 114th Ohio General Assembly which will effect said merger:

NOW THEREFORE

BE IT RESOLVED, That consistent with the principles agreed upon by the respective Boards and in furtherance of the objective of merging the Ohio Agricultural Research and Development Center into The Ohio State University, the University administration is hereby authorized and directed to seek the enactment of appropriate enabling legislation; and

BE IT FURTHER RESOLVED, That in the event the necessary enabling legislation is approved by the Ohio General Assembly and signed by the Governor, it shall be the intent of this Board that the phasing of the Ohio Agricultural Research and Development Center into The Ohio State University shall be in accordance with the Memorandum of Understanding between the University Board of Trustees and the Ohio Agricultural Research and Development Center Board of Control.

Mr. Galbreath moved the adoption of the above resolution which was seconded by Mr. Immke.

Dr. Jacob:

I might say that this was discussed by the Educational Affairs Committee this morning and we voted favorably on it.

The foregoing resolution was adopted by unanimous roll call vote.

**MEMORANDUM OF UNDERSTANDING**

**Between the Board of Control  
of the Ohio Agricultural Research and Development Center  
and the Board of Trustees of  
The Ohio State University**

1. The Chief Executive Officer for the College of Agriculture and Home Economics, the Ohio Agricultural Research and Development Center, and the Ohio Cooperative Extension Service, which organizations include the College of Agriculture and Home Economics, the School of Home Economics, the School of Natural Resources, and the Agricultural Technical Institute, shall hold the title Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics and Natural Resources.
2. There shall be a Standing Committee on Agricultural Affairs appointed by the Board of Trustees of The Ohio State University, which committee shall include as its Vice Chairman the Director of the Ohio Department of Agriculture, ex officio with voting rights; and such other members as the Chairman of the Board of Trustees may designate.
3. The Ohio Agricultural Research and Development Center, as well as the Ohio Cooperative Extension Service, shall be authorized to continue receiving line item appropriations from the Ohio General Assembly through The Ohio State University. The Vice President for Agricultural Administration, as well as the Director of the Ohio Agricultural Research and Development Center and the Director of Ohio Cooperative Extension Service, shall be authorized to appear before committees of the Ohio General Assembly, as well as committees of the U. S. Congress, to defend budget requests and all other legislative matters which have received prior approval from the President of OSU and are in keeping with Board of Trustees' policy.
4. Accounts for financial activity shall be established for OARDC by the University in a manner that parallels the current OCES accounts. The Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources shall authorize all expenditures from the funds deposited with The Ohio State University for OARDC and OCES. The Vice President for Agricultural Administration will be accountable to the Board of Trustees of The Ohio State University through the Office of the University President for all expenditures which shall be in accordance with policies and procedures of OSU.  
  
Appropriate OARDC accounts shall be established to receive all monies appropriated to and/or received by The Ohio State University on behalf of the OARDC from grants, contracts, sales of products or items generated by research operations, earned interest income on reserve funds, and any other monies received, including gifts received through the OSU Development Fund.
5. In keeping with the general practice of other U. S. land-grant universities and in accordance with federal and state guidelines, monies appropriated by the USDA, by the Ohio

**MEMORANDUM OF UNDERSTANDING (contd)**

General Assembly, by Boards of County Commissioners and/or other political subdivisions to OARDC and OCES to provide general support shall be excluded from University overhead assessments. This exclusion from overhead charges will include federal funds coming to OARDC and OCES from federal formula distributions, cooperative agreements, special USDA, and special state grants and projects for which indirect costs are not allowed by the funding agency.

Funds generated from sales of produce or other items incident to the OARDC research programs, from the land assigned by the State of Ohio, whether from agriculture, forestry, [gas, oil or minerals] shall be deposited in appropriate OARDC accounts. No OSU overhead assessment will be made on such earnings unless such assessments are fully justified and approved by the Board of Trustees.

6. Reporting to the Vice President - Agricultural Administration and Executive Dean - Agriculture, Home Economics and Natural Resources will be:

- a. Director, OARDC
- b. Director, OCES
- c. Dean, College of Agriculture and Home Economics
- d. Director, School of Home Economics
- e. Director, School of Natural Resources
- f. Director, Agricultural Technical Institute

It is recognized that these titles and responsibilities may change pursuant to alterations in goals and programs.

7. Faculty paid any or all of their salary from OARDC or OCES funds shall be recognized as tenure track OSU faculty, with attendant rights and privileges of tenure, as well as potential for appointment and promotion to assistant professor, associate professor, and professor. Further, in the case of the OARDC, the criteria for promotion and tenure are to be based on research accomplishments and productivity if the OARDC is the major source of continuing salary support, or on Extension educational accomplishments and productivity if the OCES is the major source of continuing salary support.

8. The motor vehicle fleet of the OARDC shall be operated under supervision of the OARDC Physical Plant Department and the Vice President for Agricultural Administration, subject to policies of The Ohio State University.

9. All research grants and contracts to individual investigators or groups of investigators who are housed at Wooster or at OARDC Outlying Branches, will proceed through review and final approval by the Director, OARDC, and the Vice President for Agricultural Administration before proceeding through the usual University administrative review. Via joint appointment, OSURF (Ohio State University Research Foundation) representation will be developed at OARDC to stimulate interest in and to assist and expedite the internal review processes for individual grants and contracts before submission to outside agencies. Equitable policies shall be developed, mutually agreeable to OARDC and OSURF, with respect to



May 1, 1981 meeting, Board of Trustees

**MEMORANDUM OF UNDERSTANDING (contd)**

the assignment of indirect cost recovery for projects carried out at OARDC facilities or accomplished in shared OARDC and other OSU facilities. Because of uncertainties in federal requirements for computing indirect cost rates and the manner in which research is costed at various locations, it is agreed to assess this issue for equitability two years hence.

10. Federal formula funding, shall be apportioned, as in the past, between the College of Veterinary Medicine at The Ohio State University and the Department of Veterinary Science at the OARDC and shall continue to support research into the causes, prevention, and control of diseases among farm animals and poultry.

11. All OARDC faculty, administrative and professional staff, and classified employees shall be appointed at The Ohio State University at the same or equivalent rank and tenure status as presently held at the OARDC. Appointments at OSU shall be made within the classification system used by the University, but in no case shall any individual be reduced in salary or status as a result of this action.

12. The present OARDC policy of designating research scientists, with 50% or more OARDC appointment, to undertake assigned research duty at locations or institutions other than their home department shall be continued on the basis that the College of Agriculture and Home Economics research scientists with 50% or more OARDC salary commitment over the prior six years can be away from their Ohio duty posts for six months at full salary or twelve months at half salary under the long-standing practices of assigned research duty at the OARDC and the OARDC shall pick up their total salary during such periods of duty.

13. The Vice President for Agricultural Administration shall report to the President of the University for all administrative and fiscal affairs and to the Provost of The Ohio State University for academic affairs, including appointment, tenure, and promotion of all faculty.

14. Without detracting from the authority or responsibility of the Vice President for Agricultural Administration and/or the Director, OARDC, and the Director, OCES, all of the foregoing operations shall be undertaken in cooperation with and in consonance with University rules as delineated by the OSU Board of Trustees and administered by the President of The Ohio State University.

15. The functions implicit in maintaining physical plant, business affairs, statistics laboratory, library, research operations, and public information shall continue at the OARDC, responsible to the Vice President for Agricultural Administration through the Director of the OARDC. These functions will be coordinated with appropriate offices on the Columbus campus.

16. In recognition of operating procedure differences between The Ohio State University and the Ohio Agricultural Research and Development Center, fiscal 1981-82 shall be considered a year of transition.

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May 1, 1981 meeting, Board of Trustees

## REPORT OF THE MEDICAL RESEARCH AND DEVELOPMENT FOUNDATION

President Enarson called on Dr. Wall and Dr. Fass to present a report for the Medical Research and Development Foundation.

Dr. Wall:

Mr. Devenow and members of the Board, we are nearing completion of the second year of the Medical Research and Development Fund Board which was created as part of the Practice Plan Agreement of March 2, 1979. The function of this Board, as you recall, was to serve as agent to facilitate and monitor the functions of the departmental practice plan which has been approved by the department, by the dean, and by the practice plan committee. Elections were held after this settlement to decide who the six faculty members would be. They were Dr. Ronald Berggren and myself for three years; Dr. James Kilman and Dr. Fass for two years; Dr. David Kelly and Bob Weber for one year. We held our first meeting July 12. We have had eight meetings and, while it may sound terribly boring, I'd like to just hit the highlights of some of them if I may.

At this first meeting, the articles of incorporation and code of regulations and certification of registration for the State of Ohio and appointment of the statutory agent were distributed. Officers were elected, who were Dr. Fass, treasurer; Robert Weber, secretary; myself as president and chairman. We then appointed two committees; one, an executive committee being the elected officers and Dean Henry Cramblett; the finance committee being the treasurer, Dr. Fass, Vice President Vandament, and Dr. James Kilman. I have sat in on that finance committee ex officio so that we would have some continuity. After the discussions and some minor changes in the code of regulations, they were unanimously accepted. At that time, as a group of amateurs (being a sort of polyglot of medical and surgical disciplines and University administrators) at the helm, the Board was launched, and we realized that we probably needed a great deal of professional expertise, especially in the fields of accounting and law. We heeded President Enarson's original plea that we stick to a bare bones operation. This was not difficult to achieve because we had no operational funds whatsoever, and we were going on a promise, so to speak: Dr. Vandament did offer at that first meeting support for a part-time staff person to be hired at some later date, which was considerably later.

We then held another meeting in September, 1979. No departmental plans had been approved at that time that we could function with. The departments had formed their plan and were starting to form their own accounts so that they could keep the money in escrow until such time as the accounts and organizational programs were formed. It was discussed and agreed that there were a lot of things that had to be hacked over, but one of the things that was emphasized was that there would be no charges made against the departments by anyone unless it was a part of the expense for enrichment plans developed by the departments and approved by the dean and the practice plan. It became apparent right away that permission had to be delegated to the finance committee to function in an interim basis so that we could keep moving, and this was delegated so that we could proceed with exploring banking facilities and possibly getting staff help.

May 1, 1981 meeting, Board of Trustees

## REPORT OF THE MEDICAL RESEARCH AND DEVELOPMENT FOUNDATION (contd)

Dr. Wall: (contd)

The third meeting was held a few months later in November, and we had at that time obtained an IRS number and agreed to establish our accounts at the bank on a six month trial basis. We also started to arrange the paperwork to facilitate getting co-signatures from the departmental representatives. By this time, 11 departmental plans had been approved.

We held another meeting a couple months later in January, 1980, and by that time rather extensive bank forms had been completed and signature cards were obtained. Prior to the opening of the bank accounts, departmental funds had been held in individual bank accounts and were then being transferred to our now open account so it could all function through one area. A number of personnel corrections were necessary in University rotaries; funding the situation for those that were now included in the practice plan had to be adjusted. Dr. Vandament said he would make a special effort to do so with Assistant Dean Huddleston of the College of Medicine to see that these were adjusted. At this time no staff had been hired so the work was still being done by the amateurs.

The fifth meeting was held April 3. At that time we had been fortunate in obtaining a young man who was a student about to graduate and had had some experience working here--Bob McMullen has been invaluable in assisting us. His employment was arranged by Dr. Vandament. By March 6, 1980, practically the anniversary of the time of settling, the bank accounts were opened, the 13 departmental subaccounts named MRDF accounts were functioning. Dr. Fass, our treasurer, will discuss and give you details if you wish and answer any questions you might have. It was sort of resolved by the committee at that time that we ought to have some working guidelines on how this thing should work, so this was delegated again to the finance committee to come up with a procedure which was later accomplished. Dr. Vandament at this time also--to correct some problems that might have arisen in the enrichment situation--proposed that the Presidents Club memberships of certain people be 'grandfathered' when they had previously been partially paid under a situation of enrichment so that it would be credited to solve the problem, so there were a number of people involved in that situation.

We held the first meeting of our general membership in May and obviously had to elect new members again because the year had passed. Dr. Atis Freimanis and David Kelly were elected. We needed to take some nominees from the practice plan committee as well as floor nominees.

A week or so later, the sixth meeting of the MRDF was held. The finance committee was authorized at that time to engage an auditing firm to audit the MRDF, and legal counsel was selected. The MRDF reelected the chairman and the treasurer and elected Dr. Freimanis as secretary at this time. The finance and executive committees were kept intact as they had been the first year.

The seventh meeting--a fair amount was accomplished. By this time we were getting a few things done. Essentially, as most of these things have been a report

May 1, 1981 meeting, Board of Trustees

**REPORT OF THE MEDICAL RESEARCH AND DEVELOPMENT FOUNDATION (contd)**

Dr. Wall: (contd)

of the finance committee, we had applied and received tax exempt status with the IRS, we had been audited by our auditor, and they had made some suggestions for correcting certain things that would protect the tax exempt status. Variances were noted in 1979-1980 academic enrichment commitments in a few departments and were reported to the Dean of the College of Medicine for resolution. We presented a policy and procedure manual. It was approved and distributed to the departments. We also developed guidelines for the utilization of MRDF departmental accounts, and this was approved and distributed. We developed a uniform format for the preparation and submission of departmental enrichment plans, and this was approved and distribution made to the departments. It's amazing the amount of bureaucracy and paperwork we have generated with one part-time employee.

Certain changes in the enrichment plan, I would comment on--the form of the tax exempt status would be minor and would only apply to a couple of the departments and have since been corrected. The details of these, Dr. Fass will discuss.

The Board again delegated to the finance committee the authority to make any adjustments in keeping with our auditor's suggestions. The practice plan reported at that time that three departmental practice plans had not been submitted for the dean's approval. We then moved to give Robert McMullen, our staff employee, a bigger title, but I don't think he got a raise. I think he was made Executive Secretary of the MRDF; it was really functional for better correspondence; he receives more attention than previously.

The eighth meeting was held yesterday. The treasurer reported on an update of the MRDF, the quarterly and fiscal financial reports. It was reported that the acting dean had approved the final three departmental plans. To complete this report, I will ask Dr. Fass, if he will, to bring you up to date on where we are fiscally. Any questions you may have, I will try to answer them.

Dr. Fass:

Thank you. The first fiscal year, namely fiscal year 1979-1980, the total budget for the whole department (the departmental practice plans)--and these are in rounded figures--is \$1.8 million. Our income the first year included \$800,000 in credits as money expended towards these plans prior to the opening of the bank accounts plus \$900,000 in cash. Other income generated included \$9,000 investment income on balances maintained through the bank. Expenditures included the \$800,000 in credits which had already been expended; \$300,000 in withdrawals; and as of June 30, 1980, on the balance in the central bank account was approximately \$600,000. Our total expenses for the first operating year as Dr. Wall already alluded to were all under a total of \$830. The audit was accomplished by Price Waterhouse, and they found that all the books and expenditures and accounts were in order. The first reports of fiscal year 1980-1981, most

May 1, 1981 meeting, Board of Trustees

**REPORT OF THE MEDICAL RESEARCH AND DEVELOPMENT FOUNDATION (contd)**

Dr. Fass: (contd)

practice plan programs and budgets remain similar. Income in the first three quarters of the current fiscal year is \$1.8 million, withdrawals \$1.9 million, investment interest \$50,000, expenses \$452. We have a balance in our central account, as of March 31, of approximately \$500,000.

Dr. Jacob:

I'd like to ask Vice President Cramblett; are there any department plans that have not been approved as of this date?

Dr. Cramblett:

I think we better direct that to Dr. Fass because the Vice President for Health Sciences, when this was written, was not included administratively. The question was, Bob, has the dean approved all 13 plans? I think you said earlier that he had.

Dr. Fass:

The first fiscal year of operation, every department had an approved practice plan. The current fiscal year, there are still three plans that have not finally been approved. It is my understanding that they are in the process. In some of these the problems with the delay related to major changes within the department in terms of faculty leaving or not getting as many as possible and so some of these delays were based on those kinds of reasons.

Dr. Wall:

I think it should be stated, however, that despite the fact that these plans are not totally approved within the functional system of approval, the asking for funds has continued on the basis of the previous year's funds.

Dr. Jacob: As if they had been approved.

Dr. Vandament:

At this point certainly each of the three departments has submitted a plan, and they're operating under the assumption that it will be accepted. We're simply waiting now for some of the red tape of getting all of the approvals. You will recall, the department chairman had to approve the plan, the dean, and the practice plan committee. I might note that in this first two years of operation, one of the functions of the Medical Research and Development Foundation Board was to have been that of adjudicating any difficulties or any disagreements that might arise when a plan was not approved by all parties, and to this date, we have not yet had one plan referred to us. The departments, the dean, and the practice plan committee have all been able to reach agreement on all the plans.

May 1, 1981 meeting, Board of Trustees

**REPORT OF THE MEDICAL RESEARCH AND DEVELOPMENT FOUNDATION (contd)**

Mr. Galbreath:

Mr. Chairman, do you foresee or envision that we will get an update on how this is all working annually or are we just going to get this one update, and then assume that it goes well or what is the kind of a system that might work on this?

Dr. Wall:

By the practice plan agreement there is supposed to be an annual report. We are early for this year and late for last year. We didn't have anything really accomplished.

Mr. Devenow: Dan, their fiscal year is June 30, right?

Dr. Wall: That's right.

Mr. Devenow:

We've examined their three quarters, and I think that the presentation--I agree with you--should be made annually at the end of their fiscal year.

Mr. Galbreath:

Well, I guess the reason I'm bringing it up--because of the sensitivities, even though it seems to be going well--I'd like to request that when the last three departments have it in place, let's don't wait until the next year to get that report. Could you give us an interim report? I realize that it's a technical thing, but in the community as some of us are, I think it would be better for us to communicate that way.

Dr. Vandament:

The delay on the report of the prior fiscal year was related in part to the fact that we were going back and forth with auditors and attempting to establish the report format, the reporting practices--go back retrospectively with our accounting system--to make sure that it was consistent with the auditors, while with the accounting firms recommendations. For coming years I think there will be no problem at all in issuing timely reports.

Mr. Galbreath:

Well, my question stems clearly from the fact that you say it is a 'red tape' problem. Mine is not one of pressure, mine is one of information. I think it would be helpful, at least to me, to know when the last three are in place.

May 1, 1981 meeting, Board of Trustees

**REPORT OF THE MEDICAL RESEARCH AND DEVELOPMENT FOUNDATION (contd)**

Dr. Vandament:

I might add that I have spent a great deal of time, as you might have guessed, with the gentlemen here over the course of the last year and one-half. We've had to go into incredibly detailed technical work to bring into a uniform method the flow of funds and to establish the organization and all of the procedures. Everyone has worked quite hard at it. It has been complicated, but I think also it's been a very rewarding experience for us as well.

President Enarson:

I also think that the next time that the Board puts this matter on the agenda, there needs to be a report from the College of Medicine with respect to what the academic enrichment plans are doing in the way of enrichment; both the actual results and the sense of the situation.

Mr. Devenow:

We've heard those recommendations, Dr. Vandament, and let's see if we can button it up for the Board so they are kept abreast. Any other questions? Thank you, Dr. Wall and Dr. Fass, very much for your presentation.

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**INTRODUCTION OF USG OFFICER**

President Enarson:

Yes, I think at this time--I hope Bill Nester won't be too startled--would you take upon yourself the pleasure of introducing Eric to the group?

Dr. Nester:

I'd be happy to. A strong tradition has emerged in recent years of outstanding student leadership in key government positions within the University. Because of class conflicts, Eric Seabrook, who is the Vice President for Undergraduate Student Government, was not able to be here. He is cut in the mold of his predecessors--he is bright, articulate, and dedicated. I would like to present Eric Seabrook at this time.

Mr. Seabrook:

Good afternoon. Basically, I would like to take this opportunity to express the hope of Robert Pritchard, President of the Undergraduate Student Government, and myself that we can continue to carry on the tradition as set down by our predecessors, Rick Ricketts and Paul LaRue, and hopefully we'll have beautiful relations over the coming year. Thank you.

May 1, 1981 meeting, Board of Trustees

**INTRODUCTION OF USG OFFICER (contd)**

President Enarson:

I might say to the Board that I've had the opportunity to at least begin to get acquainted with Bob Pritchard and Eric, and I can assure the Board that our Undergraduate Student Government is graced with two very fine, very able, very promising, very dedicated young men.

Dr. Jacob: It's been a pleasing change over the years.

President Enarson: No comment. That concludes my report.

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**TRIBUTE TO PATRICIA D. JAMES**

Mr. Devenow:

We have a task to perform here and I have mixed emotions about it. One is that I am sure Patty is relieved to get all these problems behind her. On the other hand, I am sure that we will all miss her. Her term is up as of this meeting and we--May 13 I think is the actual date, Patty--and we'll miss her very much. I have been on the Board with her for many years, and I have developed a tremendous respect for her insight, for her ability to get her hands on serious problems and find solutions, and I think she'll be a great loss to us; on the other hand, I am sure she is very relieved that she will no longer have to face many of these problems. As a result of that, Pat, we have here two gifts for you. One is the gavel that reads as follows:

**PATRICIA D. JAMES**

**IN APPRECIATION OF HER SERVICE  
TO THE BOARD OF TRUSTEES OF  
THE OHIO STATE UNIVERSITY  
MEMBER 1972-1981  
CHAIRMAN 1979-1980**

We present this to you. In addition, Pat, there is a gift of a Gorham Revere bowl which is engraved.

**IN RECOGNITION OF OUTSTANDING SERVICE TO HER  
ALMA MATER AS A MEMBER OF THE  
BOARD OF TRUSTEES,  
1972 - 1981,  
THE OHIO STATE UNIVERSITY  
CONVEYS TO  
PATRICIA D. JAMES  
ITS DEEP APPRECIATION AND GOOD WISHES**



May 1, 1981 meeting, Board of Trustees

**TRIBUTE TO PATRICIA D. JAMES (contd)**

Mrs. James:

For the first time, I guess, in nine years I am speechless. They have been threatening me all morning, 'No tears,' but I think I am going to exercise my prerogative as a female and cry anyway. All I can say is that it's been a tremendous journey for me. It's been quite an experience, a learning experience, and a growth experience. I came back to the University after an absence of 15 years. I left here as a wide-eyed student, an idealistic student, never dreaming that I'd ever come back in this capacity. I've certainly appreciated the opportunity to serve--this place really grows on you. I am eternally amazed at the dedication and the commitment to this University that you find wherever you go. It doesn't matter if it's students, alumni, faculty, administration; everybody is so devoted to this University that it is catching. I often have thought that sometimes we get bogged down in routine with resolutions, reports and so on. But when you really stop and take a look back as your term ends--and I am sure you all will go through this--you realize that all of that paper and all those resolutions and plans translate to things--to buildings, to programs, to colleges; and those things then transfer into serving people. And I think the most poignant thing that brings it home to me--that we are serving people--is when you go to commencement and see the joy on the faces of our graduates four times a year and when you see tears in the eyes of mothers and fathers and wives and members of the graduate's family. I certainly have found that it has been quite an experience for me--one that I'll never forget--and I'm sure that my family will never forget. I certainly have appreciated getting to know each and every one of you and I'll miss you; I'll miss you all terribly, but I'm sure we'll see each other again. Thank you.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-121

RESOLVED, That the report on the University's Investment Portfolio, dated April 17, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, June 11, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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APPENDIX IV

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

June 12, 1981

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## Recipients of Honors

### **Richard J. Anderle** Doctor of Science

Distinguished scientist and public servant, Richard J. Anderle is recognized internationally for his singular contributions to satellite geodesy. His innovative research brought new precision to the measurement of the earth's gravitational field and greatly increased the accuracy of positioning on the earth, in the air, and at sea. As an architect of the Navy Navigational Satellite System and the Space Surveillance System, he provided exceptional leadership for programs critically important to this nation and earned the deserved recognition of government. His scientific achievements have advanced the frontiers of knowledge. The Ohio State University is honored to honor him for his many contributions to science and to his country.

### **Eileen Heckart** Doctor of Humane Letters

The Ohio State University acclaims Eileen Heckart's distinguished achievements in the performing arts and rejoices that one of its own has contributed so much to the American theatre. A truly exceptional artist, she brings unusual flair and insight to every role. Widely honored for her excellence as an actress, she has received the Outer Circle, Donaldson, and New York Drama Critics Awards for theatre; Emmy and Sylvania Awards for television; and an Oscar for her work in films. Through the years she has retained a special place in her life for her alma mater and has shared her time and talent generously to further theatre at this University. Eileen Heckart personifies the highest standards of her profession and the finest traditions of The Ohio State University.



**Audrey P. Enarson**  
Distinguished Service Award

As "First Lady" of The Ohio State University, Audrey P. Enarson has contributed immeasurably to the advancement of this institution and to the creation of good will on its behalf. She has represented Ohio State with unusual sensitivity and skill. She has shared her life generously with others, through a wide range of campus, community, and national groups. Her record of service is impressive. Yet her lasting contribution to this University may best be found in the warmth of personality and the concern for people that made her a superbly effective partner in the leadership of Ohio State.

**Harold L. Enarson**  
Doctor of Humane Letters

As history will record, The Ohio State University has been served exceedingly well by Harold L. Enarson. During his nine years as President, he shaped the spirit and mission of this University in lasting ways. Today, Ohio State's programs are stronger and its reputation more eminent than ever before. To the Presidency he brought an incisive mind and firm hand, common sense and compassion, unswerving integrity and high purpose. An articulate and courageous spokesman, he presented issues in sharp focus and gave Ohio State a national voice. He is one of the nation's outstanding academic leaders, widely respected for his commitment to excellence and honored for his contributions to higher education. The Enarson Years have made Ohio State a finer University, and for this, all citizens of Ohio are in his debt.

# The Graduate School

Dean: Jules B. LaPridis

## Doctor of Philosophy

Shirley Jeanette Adams, Jamestown, N. Y.; B.A. (State University College at Oswego); M.A.; *Education*; Dr. Gilbert A. Jarvis

Janice Turk Adkins, Belle, W. Va.; A.B. (Oklahoma Baptist University); M.S. (Marshall University); *Education*; Dr. William D. Dowling

Afong Emmanuel Akpan, UYO (Nigeria) Cross River; B.A. (San Francisco State University); M.S.; *Home Economics*; Dr. Fern E. Hunt

Denis Sewa Amara, Freetown, Sierra Leone; B.Sc. (Njala University College); M.S. (University of Illinois); *Agronomy*; Dr. Robert H. Miller

David Milton Armstrong, Columbus; B.S., M.S.; *Interdisciplinary: Neuropathology, Veterinary Pathobiology, Physiological Chemistry, Anatomy*; Dr. Leopold Liss

Alexander Wilson Arthur, Ajumako, Ghana, West Africa; B.A. (University of New Orleans); M.A.; *Political Science*; Dr. Chadwick F. Alger

Daniel Olaniyani Babalola, Oko Kwara State, Nigeria; B.A. (honors) (Ahmadu Bello University); M.A. (Ohio University); *History of Art*; Dr. E. Okechukwu Odita

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- Joan Simon Jones, Groversville, N. Y.; B.A. (State University of New York at Buffalo); *Education*
- Rafael Justiniano, Bayamon, P. R.; B.A. (Ohio Dominican College); *Education*
- Helen Jane Justis, Columbus; B.S. (University of Tennessee); *Education*
- Daniel Jefferson Kading, Gambier; B.A.; *Public Administration*
- Gary Michael Kagarise, Mogadore; B.S.Ed.; *Education*
- David Arthur Katerndahl, Wheaton, Ill.; B.S., M.D. (University of Illinois); *Education*
- Terry Maurice Kelley, Columbus; B.A. (Muskingum College); *Education*
- Catherine Randall Kelso, St. Albans, W. Va.; B.S., B.S.Ed.; *Education*
- Cynthia M. Kemmerer, Coopersburg, Pa.; B.S. (State University College of New York at Brockport); *Dance*
- Robert T. Kimes, Jr., Stoneboro, Pa.; B.A. (Indiana University of Pennsylvania); *Education*
- Debra Jones King, Westerville; B.S.Ed.; *Education*
- William C. Kinney; B.A. (Northwestern University); *Philosophy*
- William Timothy Kirk, South Bend, Ind.; B.S. (University of Evansville); B.A. (Indiana University); *Psychology*
- Debra Lynn Kirshner, Uniontown, Pa.; B.S. (Boston University); *Communication*
- Teresa G. Kitchen, Gaffney, S. C.; B.A. (Coker College); *Music*
- Deborah S. Korzon, Bloomfield Hills, Mich.; A.B. (University of Michigan); *Education*
- Eudoxia A. Kostopoulou, Kastoria, Greece; B.S.Ed.; *Education*
- Judith Ann Kramer, Newark; B.S.Ed.; *Education*
- Paul Robert Krebs, Canfield; B.S. (Bowling Green State University); *Physical Education*
- Prem-Lata R. Kumar, New Delhi, India; B.S. (University of Madras; Diploma Jawaharlal Nehru University; *Slavic and East European Languages and Literatures*
- Jon David Lafferty, Coshocton; B.S.Ed.; *Education*
- Susan Reed Lancaster, Bellevue, Wash.; B.A. (Washington State University); M.A.; *Journalism*
- Sheridan Derf Landon, Delaware; B.A. (Urbana College); *History*
- Vincent Elliott Lasnik, Cleveland; B.A. (Case Western Reserve University); *Education*
- Mary Marguerite Lassak, Welch, W. Va.; B.S. (Concord College); *Physical Education*
- Tamara T. Latham, Cincinnati; B.S.Ed. (University of Cincinnati); *Education*
- Barbara Ann Laux, Upper Arlington; B.S. (Skidmore College); *Education*
- Cheryl Anne Lawton, Barlow; B.S.; *Psychology*
- Ann Sloan Lee, Dayton; B.A. (University of Kentucky); *Communication*
- Li-Hwa Chen Lee, Taiwan, R.O.C.; B.A. (National Taiwan Normal University); *Education*
- Shang-Heon Lee, Seoul, Korea; B.A. (Seoul National University); *Economics*
- Cheryl Ann Leshnock, Columbus; B.A. (Youngstown State University); *Education*

- Michael William Leshon, Lancaster; B.A. (Mount Union College); *Sociology*
- Luanne G. Libby, Newark; B.A. (Morningside College); *Education*
- Der-Ming Lieu, Taiwan, R.O.C.; B.A., M.A. (National Taiwan University); *Economics*
- Brian McAllister Linn, Honolulu, Hawaii; B.A. (University of Hawaii); *History*
- Agnès Dakudao Locsin, Davao City, Philippines; (Ateneo de Davao College); *Dance*
- Jean Carol Lodholz, Columbus; B.S. (Bowling Green State University); *Education*
- Janice Lynn Macián, Columbus; B.A. (Ohio Dominican College); *Education*
- Doran Nathaniel Maniece, Beckley, W. Va.; B.A.; *Public Administration*
- Sally Jo Markling, Canton; B.S.Ed. (Capital University); *Education*
- Robelyn Marlow, Dayton; B.S.; *Education*
- Jerry Norman Martin, Columbus; B.S.Ed.; *Education*
- Virginia Ann Mattern, Cleveland; B.A. (Wittenberg University); *Economics*
- Anna Maria Mazzotta, Rome, Italy; Laurea Università Degli Studi De Roma; *Romance Languages and Literatures*
- Lon D. McCue, Delaware; B.Mus. (Bowling Green State University); *Education*
- Pamela Sue McDonald, Mansfield; B.S. (Bowling Green State University); *Education*
- Timothy Jay McNeish, Zanesville; B.S.; *Education*
- Faye Ellen McPherson, Brunswick; B.M. (Muskingum College); *Music*
- Mary Jean McPherson, Ashland; B.M.E. (Wittenberg University); *Music*
- Kathy Elaine McPike, Benton Harbor, Mich.; B.S. (Eastern Michigan University); *Education*
- Guadalupe Tovar Meichor, Hamler; B.A.; *Communication*
- Kevin H. Michael, Columbus; B.A.; *Philosophy*
- Martha Gallagher Michael, Columbus; B.F.A. (Capital University); *Art Education*
- Michael Gerald Mikusa, Bucyrus; B.S.Ed.; *Education*
- Kathryn Anne Miller, Columbus; B.A.; *Communication*
- Robert George Miller, Columbus; B.S.Ed.; *Physical Education*
- Teri Elizabeth Miller, Columbus; B.S.; *Education*
- Betty Morse Minutilli, Columbus; B.S.; *Education*
- Katherine W. Morris, Rocky River; B.A. (Bowling Green State University); *Education*
- Herbert Lee Morton, Jr., Cleveland; B.A. (University of Chicago); *Black Studies*
- Debra Joyce Moulton, East Charleston, Vt.; B.A. (Eastern Nazarene College); *Education*
- David George Munroe, Wells, Me.; B.S. (Fitchburg State College); *Education*
- Marilyn Powell Murray, Mansfield; B.A. (College of Wooster); *Anthropology*
- Rita Ann Musacchia, Dayton; B.A. (Walsh College); *Physical Education (Health Education)*
- Karl Warner Nehring, Gary, Ind.; B.A. (Brigham Young University); *Philosophy*
- Sheila Eileen Noonan, Bryn Mawr, Pa.; B.S. (Denison University); *Physical Education*
- Kathleen Ann Nowak, Springville, N. Y.; B.S. (Ithaca College); *Physical Education*
- Mary Jane Cooper O'Brien, Columbus; B.S.M. (Capital University); *Education*
- Gaylord A. Odessaard, Seranton, N. D.; B.A. (Warburg College); B.D. (Warburg Theological Seminary); *Education*
- Stephen Randle Olena, East Aurora, N. Y.; B.A. (Hiram College); *Education*
- Michael James O'Neill, Redding, Conn.; B.S. (University of Vermont); *Physical Education*
- Timothy Allan Onkka, Faribault, Minn.; B.A. (Carleton College); *Psychology*
- Robert Francis Orlos, Columbus; B.S. (Central Michigan University); *Journalism*
- Brian Douglas Osgood, Orchard Lake, Mich.; B.A. (Miami University); *Economics*
- J. Russell Page, Mt. Vernon; B.A. (Pacific Union College); *Education*
- Annick Marie Parker, Bitburg, West Germany; B.S.; *Psychology*
- Roy Davies Parry, Perrysburg; B.A. (Central State University); *Political Science*
- Lucinda Ann Peck, Stanford, Ky.; A.B. (Eastern Kentucky University); *English*
- Deborah L. Petitti, Alliance; B.S. (Kent State University); *Education*
- Katherine Lee Petto, Olmsted Falls; B.A. (Wittenberg University); *Physical Education*
- Roberta Plaat, Cleveland; B.Mus.Ed.; *Education*
- Linda Decker Pohle, Orient; B.S.; *Education*
- Phil E. Porter, Cleveland; B.A. (Michigan State University); *Journalism*
- Mary Atkeson Powell, Riverlea; B.A.; *Education*
- Linda L. Price, Columbus; B.S.Soc.Wel.; *Education*
- Vesna R. Prodanovich, Midland, Pa.; B.A. (Pennsylvania State University); *Political Science*
- Sherry Friedrichs Puchstein, Columbus; B.S.; *Education*
- Chrisy Diane Rader, Cincinnati; B.A. (Hanover College); *Education*
- Anat Rafaeli, Haifa, Israel; B.A. (Haifa University); *Psychology*
- Bruce Allen Reck, Columbus; B.A.; *Public Administration*
- Debra Kay Reynolds, Ashland; B.S. (Ashland College); *Education*
- Nannette Sanders Reynolds, Columbus; B.Mus. (Capital University); *Music*
- Thomas Wesley Rice, Chillicothe; B.A.; *Public Administration*
- Matthew Robert Riley, Dayton; B.A.; *English*
- Angelique Colleen Rinehart, Ashville; B.S.Ed.; *Physical Education*
- Michael Francis Ring, Marion; B.A. (Capital University); *Education*
- Claire Frison Roehm, Houston, Tex.; B.S. (Northwestern University); *Physical Education*
- Mark Alan Rogoff, Trenton, N.J.; A.B. (Muhlenberg College); *Education*
- Sue Lynn Schellpeper Rohrer, Oconomowoc, Wis.; B.S. (University of Wisconsin); *Physical Education*
- Jayne A. Rolfes, Dayton; B.A. (University of Dayton); *Journalism*
- Paul Bernard Rolfes, Dayton; B.A. (University of Dayton); *Journalism*
- Thomas Rollins, Washington, D. C.; B.A. (Ohio Wesleyan University); *Psychology*
- Shelley Ann Rose, Atlanta, Ga.; B.S. (University of North Carolina at Chapel Hill); *Education*
- Paige L. Royer, Worthington; B.S. (Otterbein College); *Education*
- Patricia Louise Rupich, Youngstown; B.S. (John Carroll University); *Economics*

- Sallie M. Samuels, St. Louis, Mo.; B.A. (Denison University); *Physical Education*
- Julie Ann Scheiner, Solon; B.S.Ed.; (Bowling Green State University); *Physical Education*
- Bruce A. Schneider, Columbus; B.A. (Otterbein College); *Education*
- Susan Marie Schofer, Columbia, Mo.; B.S. (University of Missouri); *Education*
- Shirley Jannette Schostarez, Columbus; B.S. (Clarion State College); *Education*
- Pamela L. Sebastian, London; B.S.Agr.; *Education*
- Karen Lee Sellhausen, Milwaukee, Wis.; B.S. (University of Wisconsin at Stevens Point); *Education*
- Susan Michelle Sheets, Columbus; B.Art Ed.; *Art Education*
- Beth Ann Sheumaker, Columbus; B.S.; *Education*
- Ralph E. Shibley, Jr., Columbus; B.S.Ed.; *Education*
- Karen L. Shriver, Euclid; B.A. (Baldwin-Wallace College); *History of Art*
- Douglas C. Singer, Columbus; B.S.; *Physical Education*
- Janet Lynn Skidmore, Highland Park, Ill.; B.A. (University of Illinois); *Dance*
- Jackie Lynn Slater, Barberton; B.S.Ed. (Kent State University); *Education*
- Rena Marie Smolski, Providence, R. I.; B.A. (Bard College); *Dance*
- Nancy Anne Karnes Snashall, Grove City; B.S.Ed.; *Education*
- Mary Elizabeth Soltys, Columbus; B.A. (College of Wooster); *Education*
- Jan Barbara Spitzer, Denver, Colo.; B.Mus. (University of Colorado); *Music*
- Carolyn Sue Stevens, Mansfield; B.A. *Education*
- DeVon Renard Stokes, La Mesa, Calif.; B.A. (Oakwood College); *Psychology*
- Lorraine Beth Straw, Shelby; B.A. (College of Wooster); *Psychology*
- Jack Marshall Stryker, New York City, N. Y.; B.A. (Herbert H. Lehman College of the City University of New York); *Sociology*
- Gregory A. Sucilla, Homewood, Ill.; B.A. (DePaul University); *Political Science*
- Leslie Caroline Sugiuchi, South Euclid; B.A. Mansfield State College; *Education*
- Ann Mungler Sullivan, Lima; B.S.Ed.; *Education*
- Felicity Sutcliffe, Durban, South Africa; B.Sc. (University of Natal); *Geography*
- Ronald Shelton Swann, Greensboro, N. C.; B.A. (University of North Carolina at Charlotte); *Black Studies*
- Christopher Anton Swartz, Atlantic City, N.J.; A.B. (Marietta College); *Education*
- Margaret Jeanne Talley, Columbus; B.S.Soc.Wel.; *Education*
- Sumolmalya Tamavimok, Bangkok, Thailand; B.Ed. (Chulalongkorn University); *Education*
- Aiji Tanaka, Tokyo, Japan; B.A. (Waseda University); *Political Science*
- Mary Ann Tencza, Worthington; B.A.; *Communication*
- James B. Thomson, Syracuse, N. Y.; B.S. (Georgia Institute of Technology); *Economics*
- Joyce Lynne Timmons, Springfield; B.A. (Capital University); *Education*
- Jon Mark Tisone, Youngstown; B.S.; *Education*
- Jennifer Messick Tope, Kenton; B.S.Ed.; *Education*
- Toshiko K. Townley, Nagoya, Japan; B.A. (Aichi University); *East Asian Languages and Literatures*
- Edwin Dean Townsend, Eaton; B.S. (Miami University); *Education*
- Robert Douglas Tracy, Columbus; B.S. (University of Illinois); *Public Administration*
- Nancy Maria Traini, Columbus; B.S.Ed.; *Education*
- Pamela Jill Tremaine, Columbus; B.F.A. (Miami University); *Art Education*
- Timothy J. Tritch, Dayton; B.A. (Ohio University); *Education*
- Pan-long Tsai, Changhwa, Taiwan, R.O.C.; B.A. (National Taiwan University); *Economics*
- Phonthip Unyakiat, Ratburi, Thailand; B.Ed. (Sri Nakharinwiroth University); *Education*
- Judy Lois Van Kirk, Columbus; B.S.Ed.; *Education*
- Sally Freeman VanMeter, Fresno, Calif.; B.A. (Fresno State College); *Political Science*
- Joe Veffler, Amsterdam, Netherlands; B.S. (Wright State University); *Public Administration*
- Catherine Ann Veselenak, Byesville; B.S. (Ohio University); *Education*
- Ernestine Ruth Vian, Reynoldsburg; B.A., B.S.Ed.; *Education*
- Nancy Elizabeth Vita, Worthington; B.S.Ed. (Ohio University); *Education*
- Carl M. Vogelhuber, Dayton; B.Liberal Studies (University of Oklahoma); *Education*
- Frederick Joseph Vona, Jr., Belmont, Mass.; B.S. (State College at Fitchburg); *Physical Education*
- Christine VonIns, Millersport; B.Mus.Ed.; *Education*
- Helen Harris Walker, Haverford, Pa.; B.S. (University of North Carolina at Greensboro); *Dance*
- John Robert Walter, Springfield, Va.; B.S. (Virginia Polytechnic Institute and State University); *Economics*
- Eva Weisz, Columbus; B.S. (University of Cincinnati); *Education*
- Marsha K. Weston, Marion; B.A.; *Education*
- Michael D. Wilkinson, Columbus; B.A. (The College of Wooster) *Public Administration*
- Edward Charles Woodman, Gahanna; B.S.Ed.; *Education*
- Donald Ray Yates, Dayton; B.S.Ed.; *Physical Education*
- Michael Kamel Youssouf, New York City, N.Y.; B.S. (State University of New York at Brockport); *Dance*
- Peter Edward Zappala, Hanover, N. H.; B.S. (University of New Hampshire); *Physical Education*
- Melissa Zarich, Youngstown; B.S.; *Education*
- Joanne Marie Zwick, Parma; B.S.Ed.; *Education*

### Master of Business Administration

- Ronald James Albaugh, Gnadenhutten; B.S. (Kent State University); *Business Administration*
- Gary L. Alessio, Upper Saddle River, N. J.; B.A. (Wittenberg University); *Business Administration*
- James Reid Allen, Hudson; B.A. (DePauw University); *Business Administration*
- Jeffrey W. Anderson, Maumee; B.F.A. (Miami University); *Business Administration*
- Kenneth L. Barden, Westerville; B.S.I.S.E.; *Business Administration*
- Faith Elizabeth Bauer-Tomich, Columbus; B.S.; Bus.Adm.; *Business Administration*

Gary Beegle, Wooster; B.S.Agr.; *Business Administration*

Charles E. Bennett, Columbus; B.S.B.A. (Franklin University); *Business Administration*

Ralph Edgar Best, Columbus; B.S.E.P., M.S.; *Business Administration*

Marko Boh, Worthington; B.S.Bus.Adm.; *Business Administration*

Richard Lee Burrell, II, Worthington; B.S.Bus.Adm.; *Business Administration*

Eric K. Busch, Tiffin; B.A.; *Business Administration*

Peter George Cassano, Newark; B.A. (Hanover College); *Business Administration*

Eloy A. Castroverde, Columbus; B.S. (University of Tennessee); *Business Administration*

James L. Clover, Dublin; B.S. (Miami University); *Business Administration*

Howard Kruger Cohen, Columbus; B.A. (University of Delaware); *Business Administration*

H. Dean Conley, Columbus; B.A.; *Business Administration*

Janice Marie Crews, Columbus; B.S.Bus.Adm.; *Business Administration*

Richard J. Cummings, Pickerington; B.S. (Franklin University); *Business Administration*

Charles Henry Dankworth, Columbus; B.A.; *Business Administration*

Jchn W. Daugherty, Granville; B.S.M.E. (University of Akron); M.S.M.E.; (Northeastern University); M.S., Ph.D.; *Business Administration*

Robert Camiel De Clerck, Jr., Rochester, N. Y.; B.S. (State University College at Fredonia); *Business Administration*

Philip Anthony Diniz, Lodi, Calif.; B.A. (San Francisco State University); *Business Administration*

Mattie Delores Evans, Birmingham, Ala.; B.S.; *Business Administration*

Gary Lyn Finchel, Newark; B.S. (United States Merchant Marine Academy); *Business Administration*

Violet M. Gallagher, Worthington; B.S. (Kent State University); *Business Administration*

Craig Alan Giffi, Columbus; B.S.Bus.Adm.; *Business Administration*

Marcie Ann Golden, Columbus; B.A.; *Business Administration*

Richard Perry Gordon, Charleston, W. Va.; B.S. (West Virginia University); *Business Administration*

Timothy Johnson Green, Cambridge; B.S.; *Business Administration*

Robert Evans Grossman, Columbus; B.S.; *Business Administration*

Jane Patricia Hack, Cincinnati; B.S. (Saint Louis University); *Business Administration*

Daniel M. Hague, Worthington; B.S. (Virginia Polytechnic Institute and State University) *Business Administration*

Kenneth William Hover, Cincinnati; B.S. (Indiana Institute of Technology); *Business Administration*

Colleen Irene Janick, Columbus; B.S. (University of Illinois); *Business Administration*

Vikram B. Jayasimha, India; B.Tech. (University of Madras); *Business Administration*

Maribeth Brennan Jette, Columbus; B.S. (Central Connecticut State College); *Business Administration*

Rosa M. Jones, Rochester, N. Y.; B.A. (Shaw University); *Business Administration*

Clyde Conley Kahrl, Mt. Vernon; B.A. (Cornell University); J.D.; *Business Administration*

Emil C. Kwaczala, Cleveland; B.A.; *Business Administration*

Pin Toong Lam, Singapore; B.Sc. (Indiana University); *Business Administration*

William V. Lazar, Delaware; B.S.E.E. (University of Pittsburgh); *Business Administration*

William Stanley Lisle, Columbus; B.S.; *Business Administration*

Dustin J. Macgregor, Minneapolis, Minn.; B.A. (University of Minnesota); *Business Administration*

Therese Jean Magee, Chicago, Ill.; B.S. (Purdue University); *Business Administration*

Arun Malhotra, Delhi India; B.Tech. (Indian Institute of Technology); M.S. (State University of New York at Stony Brook); *Business Administration*

Rodney James McQueen, Worthington; B.A. (Monmouth College); *Business Administration*

Marlyn Albright Michael, Delaware; B.A. (Meredith College); *Business Administration*

Patrick J. Moskos, Southgate, Mich.; B.S.A. (University of Michigan); *Business Administration*

Michael Wright Murphy, Columbus; B.B.A. (University of Notre Dame); *Business Administration*

David Paul Nelson, Rocky River; B.A. (Hillsdale College); *Business Administration*

Ronald S. Ohsner, Columbus; B.A.Jour.; *Business Administration*

Carol Marsh Porter, Fairview Park; B.A. (Miami University); *Business Administration*

Burton L. Preston, Mansfield; B.S.E. (University of Michigan); *Business Administration*

Susan Dee Prosek, Fremont; B.S., Bus.Adm. (Bowling Green State University); *Business Administration*

Paul Warner Railsback, Centerville, Ind.; B.S., M.S. (Indiana University); *Business Administration*

James Alan Remnant, Parma Heights; B.A. (College of Wooster); *Business Administration*

Linda Orlandy Rings, La Grange, Ill.; B.A. (DePauw University); *Business Administration*

Mukesh Rustagi, New Delhi, India; B.Tech. (Indian Institute of Technology) M.S.; *Business Administration*

Thomas Patrick Ryan, Columbus; B.S.; *Business Administration*

David A. Schluer, Louisville, Ky.; B.S.Bus.Adm.; *Business Administration*

Mark Alan Schmaltz, Wapakoneta; B.S. (Bowling Green State University); *Business Administration*

Joseph Vernon Schultz, Columbus; B.Mus., M.Mus. *Business Administration*

Floyd Shepherd, Columbus; B.S. (University of Akron); *Business Administration*

Gerald R. Smith, Worthington; A.B. (University of South Dakota); *Business Administration*

Gary Matthew Solomon, Painesville; B.S. (Bowling Green State University); *Business Administration*

John Suci, III, Centerville; B.S.M.E. (Carnegie Mellon University); M.S.M.E. (University of Washington); *Business Administration*

William Chak Lam Szeto, Lexington; B.S.E.E.; *Business Administration*

Joseph A. Taglia, Columbus; B.S. (Franklin University); *Business Administration*

Rajeev Kumar Tantia, Calcutta, India; B.Eng. (Birla Institute of Technology and Science); *Business Administration*

Daniel M. Torchia, New Kensington, Pa.; B.S. (Pennsylvania State University); *Business Administration*

Roger Allen Vaughan, Upper Arlington; E.A. (Kenyon College); *Business Administration*

Severino B. Vergara, Calamba, Laguna, Philippines; B.S., M.S. (University of the Philippines); *Business Administration*

Mark Edward Weinrich, Columbus; B.S.Bus.Adm.; *Business Administration*

Bruce Douglas Wilson, Ravenna; B.A. (Ohio Wesleyan University); *Business Administration*

Robert M. Wolin, Hewlett, N. Y.; B.S. (University of Maryland); *Business Administration*

Richard J. Wuebker, Versailles; B.S.; *Business Administration*

David G. Wunderlin, Hood River, Ore.; B.A.; *Business Administration*

Constantine Steve Yannias, Addison, Ill.; B.S.Bus.Ad.; *Business Administration*

William R. Yeack, Whitehouse; B.S.Bus.Ad.; *Business Administration*

Daniel Lee Yeater, Ashland; B.S.M.E. (General Motors Institute); *Business Administration*

Nada Rankovic Yost, Kraljevo, Yugoslavia; E.S. (Franklin University); *Business Administration*

Larry A. Zimmerman, Upper Arlington; B.S. E.E. (University of North Dakota); *Business Administration*

### Master of City and Regional Planning

Ghulam Mustafa Behlim, Bombay, India; B.Arch. (Indian Institute of Technology); M.Arch.; *City and Regional Planning*

George Cameron Cantor, Parma; B.A.; *City and Regional Planning*

Allen Marc Cohen, Philadelphia, Pa.; B.S. (Drexel University); *City and Regional Planning*

David Robert Dysard, Tiffin; B.A.; *City and Regional Planning*

Amy Louise Garant, Quincy, Ill.; B.S. (University of Illinois); *City and Regional Planning*

Terri Kim Griffith, Circleville; B.A.; *City and Regional Planning*

Dianne Ethel Johnson, Walpole, Mass.; B.A. (University of Massachusetts); *City and Regional Planning*

Daniel Jefferson Kading, Gambier; B.A.; *City and Regional Planning*

Roland Roger Klee, West Simsbury, Conn.; B.A. (New York University); *City and Regional Planning*

Revocatus Almasi Lugongo, Nansio, Tanzania; Diploma (Ardhi Institute); *City and Regional Planning*

Peter Michael McHugh, New Hyde Park, N. Y.; B.S. (University of Dayton); *City and Regional Planning*

Adiele Godson Nwankwo, Umuahia, Nigeria; B.A. (Miami University); *City and Regional Planning*

Kavita K. Pandit, Bombay, India; B.Arch. (University of Bombay); *City and Regional Planning*

David John Pasquariello, Schenectady, N. Y.; B.A. (Siena College); *City and Regional Planning*

Robbie Lynn Sarles, New Albany, Ind.; B.S. (Western Kentucky University); *City and Regional Planning*

Russell Davis Schaedlich, Mentor; B.A. (Miami University); *City and Regional Planning*

William Joseph Wozencraft, Pascagoula, Miss.; B.A. (University of Detroit); *City and Regional Planning*

### Master of Fine Arts

Robin Nulini Jean Bhatia, Pullman, Wash.; B.A. (Washington State University); *Art*

Michael T. Gross, Mt. Prospect, Ill.; B.F.A. (University of Wisconsin at Whitewater); *Art*

Christopher J. Merrill, Columbus; B.A.; *Theatre*

Sue Carroll Purcell, Worthington; B.F.A.; *Art*

Karen Dee Tuss, Dayton; B.F.A. (Miami University); *Art*

### Master of Health Administration

Charles Edwin Ansley, Westerville; B.S., M.A. (Central Michigan University); *Allied Medical Professions*

David Jeffrey Arnold, Austintown; B.A. (Hiram College); *Allied Medical Professions*

Richard Regan Bannick, Bellevue, Wash.; B.A. (University of Washington); *Allied Medical Professions*

Joseph A. Barylak, Columbus; B.S.; *Allied Medical Professions*

Deborah Lynn Dorsky, University Heights; B.S. (Michigan State University); *Allied Medical Professions*

Joseph George Felkner, Columbus; B.S.Bus.Ad.; *Allied Medical Professions*

Sue Watt Foster, Greensburg, Pa.; B.A. (College of Wooster); *Allied Medical Professions*

Robert John Gilbert, Rumford, Me.; B.A. (University of Maine at Orono); *Allied Medical Professions*

David Lee Hoff, Ann Arbor, Mich.; B.S. (The University of Michigan); *Allied Medical Professions*

Judith Ellen Knechtges, Grafton; B.S. (Ohio Northern University); *Allied Medical Professions*

Barbara Ruth Kupetzky, Baltimore, Md.; B.A. (University of Maryland); *Allied Medical Professions*

Thomas Lee Kylo, Bloomington, Minn.; B.A. (Concordia College); *Allied Medical Professions*

James Michael Lee, Louisville, Ky.; B.A. (University of Kentucky); *Allied Medical Professions*

Thomas Alan Moser, Columbiana; B.S.Bus.Ad.; *Allied Medical Professions*

David Clark Neff, Columbus; B.S.; *Allied Medical Professions*

Kenneth Robert Steele, Shelby; B.S.Bus.Ad.; *Allied Medical Professions*

Gerald Matteusz Szkotnicki, Buffalo, N. Y.; B.S. (University of Rochester); *Allied Medical Professions*

Janet Yaniglos, Youngstown; B.S. (Youngstown State University); *Allied Medical Professions*

### Master of Labor and Human Resources

James William Kuhn, Columbus; A.B. (Kenyon College); *Labor and Human Resources*

Jacqueline Lea Mercier, Champaign, Ill.; B.S.; *Labor and Human Resources*

Chimezie A. B. Osigweh, Ejemekwuru-Owerri, Nigeria; B.Sc. (East Tennessee State University); M.A.; *Labor and Human Resources*

Dee Ann Pelletier, Columbus; B.S. (University of Houston); *Labor and Human Resources*

### Master of Music

Earl Crafton Beck, Memphis, Tenn.; B.Mus.Ed.; *Music*

Linda Alice Crouch, Granville; B.A. (Ohio University); M.A.; *Music*

Michael Eldon Dellinger, Columbus; B.Mus.; *Music*

Stephen Wayne Dodge, Columbus; B.Mus.; *Music*

Kent David Larmee, Upper Arlington; B.Mus.Ed.; *Music*

Anne N. Ngo, New York City, N. Y.; B.Mus. (Queens College of the City University of New York); *Music*

### Master of Public Administration

Quay Yvonne Howell Barnes, Fort Wayne, Ind.; B.S. (Indiana State University); *Public Administration*

Brian Charles Cook, Grandview Heights; B.A.; *Public Administration*

Beverly Payne Dodson, Mount Vernon; B.A. (Miami University); *Public Administration*

Franklin Jon Gencur, Amherst; B.A.; *Public Administration*

Robert Allen Hardy, Lucasville; A.B. (Ohio University); *Public Administration*

Patricia Ann Humphrey, Columbus; B.G.S. (Kent State University); *Public Administration*

Robert James Layton, Washington, D. C.; B.A. (Miami University); *Public Administration*

Janet E. Foley Orosz, Cuyahoga Falls; B.A. (Miami University); *Public Administration*

Lauree Raica, Westerville; B.S.Ed., M.S.W.; *Public Administration*

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- Donald Wesley Alley, Columbus; A.B. (Asbury College); *Social Work*
- Gwendolyn I. Barton, Asheville, N. C.; E.A. (Morgan State College); *Social Work*
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Linda Ann Williamson, Centerville; B.A. (Georgetown College); *Social Work*

Barbara Ann Zalusky, Franklin Square, N. Y.; B.S. (State University College at Brockport); *Social Work*

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College of Biological Sciences

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## College of the Arts

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Harry Donald Hoffhines, Columbus  
Lloyd David Lemmermann, Lyndhurst

John Eugene Little, Jr., Ashville  
Kathryn S. MacGillivray, Bellefontaine  
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Carolyn Denise May, Westlake  
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 Cynthia Louise Grover, Washington C. H.  
 Tamara Lynn Hallas, Pickerington  
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## College of Biological Sciences

Dean: Patrick R. Dugan

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 Paul Colon, Salinas, Puerto Rico  
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 Stanley D. Dannemiller, Cincinnati  
 Jeffrey Alan Dapoz, New Philadelphia  
 Michael Joseph DePaso, Worthington  
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 Rosemary Carol Dietrich, Medina  
 Michelle Marie Dodd, Cincinnati  
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 Louise Ann Vesco, Columbus  
 Laurie Lynn Walker, Columbus  
 Lynn Eugene Wetzel, West Jefferson  
 Michael Andrew Wodarcyk, Grove City  
 Debra Katherine Woischke, Put-in-Bay  
 Alan Woll, Falls Church, Va.  
 Erol Aaron Woods, Chillicothe  
 Dawn Amelia Wray, Dayton  
 Julie Ann Wynd, Canal Winchester

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

Irene J. Abrahams, Fountain Valley, Calif.  
 Muhammad Said Abdul Hakim  
 Al-Khalid, Columbus  
 Hal Dixon Amerine, Worthington  
 Norma Jo Aristid, Columbus  
 Roland Cameron Archer, Cambridge, Mass.  
 Nicholas Charles Auclair, Columbus  
 Sandra Lynn Austin, Columbus  
 Aline M. Baker, Austintown  
 Steven Randolph Bard, Bryan  
 Ann Bright Barlow, Columbus  
 Pamela Marie Bender, East Sparta  
 Josephine Hillman Benson, Granville  
 Josiah Hillerman Blackmore III,  
 Worthington  
 Richard J. Bleiler, Ridgewood, N. J.  
 Patrick J. Bonace, Mansfield  
 Philip Anthony Bowen, Tappers Plains  
 Melissa Mae Brintlinger, Columbus  
 Steven Martin Brown, Worthington  
 Renee Marie Eileen Bumb, Bismark  
 Mark W. Bury, Hudson  
 Martha Ann Cardina, Akron  
 Stanley Harrison Carr, Columbus  
 Marianne Conroy, Youngstown  
 George H. Cooper, Buffalo, N. Y.  
 George Ian Crawford, Canton  
 Jane Beth Davidson, Kettering  
 Michael Kevin Davis, Peachtree City, Ga.  
 Robert Bruce Davis, Columbus  
 Joy Elaine Dickerson, Trenton  
 Jannette Djokovic, Cincinnati  
 Daniel Epstein, Columbus  
 Sarah Ferraro, Columbus  
 William J. Fleming, Delavan, Wis.  
 Thomas Paul Fox, Alliance  
 Mark Howard Gams, Dayton  
 Chana L. Gandal, Cleveland  
 Kristin Lee Gatherum, Dublin  
 Bethanne Gibboney, Grove City  
 John Charles Girvin, Centerville  
 James J. Gleason, Weymouth, Mass.  
 Malinda Kay Goodrich, Bexley  
 Paul Ron Greene, Xenia



## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

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Jeffrey Lynn Haist, Circleville  
Namah Lee, Columbus  
Ya-Syn Lee, Columbus  
Larry Lee Lodge, Jr., Lexington  
Robert Patrick Musto, Lima  
Jeffrey M. Sultzer, Columbus

### Bachelor of Science

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Phillip Eugene Apfel, Trotwood  
Timothy Edwin Arnold, Proctorville  
Martha E. Ashman, Middletown  
Robin Masuko Baker, Mt. Healthy  
Anne Marie Beltz, Grafton  
Milena Mariela Bonezzi Garcia,  
Maracaibo, Venezuela  
Stephen Eugene Bookman, Cincinnati  
Jose Luis Borrego Moron, Venezuela  
Arthur Allen Bradley, Worthington  
Joseph John Bumbak, Columbus  
Amy Tai Chen, Taipei, Taiwan,  
Republic of China  
Perry Michael Conrardy, Hillsboro  
Susan A. Cook, North Canton  
Paul John Cory, Worthington  
Neyda Colina de Diaz, Maracaibo, Venezuela  
David Lee DePugh, Chillicothe  
Salem M. Elghaly, Tripoli, Libya  
Gregory Lawrence Eyink, Celina  
Dino Farinacci, Mayfield Heights  
Sandra Kay Fruth, Holgate  
Linda Charlene Gifford, Broadview Heights  
Michael Patrick Gilliland, Columbus  
Mary Melinda Gugelchuk, South Point  
Peter Michael Haas, Chardon  
Rhonda Lynn Hagey, Columbus  
Lawrence Michael Hanf, Columbus  
Steve Atley Hash, Columbus  
Jerry Lynn Hill, Columbus  
Gregg Joseph Hinterschied, Pickerington  
Ann Horowitz, Columbus  
David K. Houser, Marion  
Thomas Paul Howland, Canton  
Patricia Lyn Johnson, Columbus  
Raiph David Jones, Columbus  
David Richard Kaelbling, Columbus  
Beth Ellen Kaeze, Columbus  
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Charles Joseph Kramer, Columbus  
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David Alan Manley, Warren, Mich.  
Jeffrey Alan Martin, Springville  
Timothy Scott Meyer, Greenville, Pa.  
David James Miller, Grove City  
Frank Scott Miller, Cincinnati  
Rodney Floyd Null, Lima  
Michael Anthony O'Connell, Westerville  
David Mark Ogle, Westerville  
Ray Allen Paschal, North Royalton

Daniel Anthony Patrick, Cuyahoga Falls  
Sandy Joseph Piscitello, Brecksville  
William Edward Rasche, Jr., Columbus  
Anita R. B. Rauch, Columbus  
William Charles Rigano, Kettering  
Pamela Kay Rotilie, Akron  
Mary Jo Rovito, Mayfield Heights  
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Michael Ray Schafer, Kettering  
Terry L. Schaffer, Gahanna  
Dale Russell Schleich, Hilliard  
Richard Paul Schmidt, Jr., Bellevue  
Matthew Morrison Gregory Shafer,  
Columbus  
Vern Rader Staats, Newark  
Donald David Story, Amherst  
George Henry Stuckey, Wauseon  
Zoltan Szabo, Columbus  
Mary Anne Tamulonis, Columbus  
Dogan H. Temizer, Columbus  
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Linda Marie Webster, Charlotte, N. C.  
Amy Lee Weinheimer, Columbus  
Thurman Michael Wheeler, Grove City  
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Susan Jean Winger, Toledo  
David A. Zimmer, Columbus  
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## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

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Marceline Denise Alexander, Dayton  
Spiro George Alexander, Steubenville  
Randall Scott Alter, Dayton  
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Christopher York Armitage, Atica  
William G. Artino, Shaker Heights  
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Mitchell Greg Baer, Mayfield Heights  
Susan Hanley Baird, Mariemont  
Alison Baker, Philadelphia, Pa.  
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Brian Eugene Barnhart, Columbus  
Cathy Michele Bass, Cincinnati  
Tina Kay Baughman, Buckeye Lake  
Susan Beardsley, Falls Church, Va.  
Terry Lynn Beck, West Jefferson  
Kevin Lee Beckwith, Columbus  
Susan Claire Bennett, Chicago, Ill.  
Sharon Ann Berka, Richfield  
Deborah Bevil, Cleveland  
Minda Georg Bickley, Columbus  
Gwendolyn Biggett, Columbus  
Mark Joseph Bils, Cygnet  
Robert Eric Birne, Tenafly, N. J.  
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Mary Elizabeth Blair, Chillicothe  
Deborah Lynn Blanton, Lucasville  
Curtis A. Boster, Columbus  
Janice Duncan Bourke, Columbus  
Carole Sue Bowden, Zanesville  
Carmen Pathesa Boyd, Springfield  
Elaine Marie Bozeka, Louisville

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Peter Leo Bradley, Columbus  
Howard Jeffrey Brest, Newark  
Paul James Bright, Jr., Columbus  
Branford Duveen Brown, Cincinnati  
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Kenneth Lloyd Carozza, Mayfield Heights  
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Upper Arlington  
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Karen Ann Fugazzi, Columbus  
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Esther Abbe Ganson, Cincinnati

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 Bart R. Gentry, Columbus  
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 Gary Thomas Gleisinger, Centerville  
 Tracy Lynn Godfrey, Dublin  
 Lev Shalom Gonick, Winnipeg, Canada  
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 Masoud Hamounnavard, Shiraz, Iran  
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 Theresa Louise Hooks, Columbus  
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 Lisa Michelle Huwer, Kettering  
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 Katherine Anne Kincheole, Worthington  
 Hilda Toth Kircher, Columbus  
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 Richard A. Kulich, Orient  
 Katherine Kurkov, Rocky River  
 Karen G. Kuzmishin, Akron  
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 Mark Marion Lavrisha, Cleveland  
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 Joel Ross Linnabary, Columbus  
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 Sharon C. Mann, Cincinnati  
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 Cheryl Ann Marshall, Orient  
 Warren Dean Martin, Worthington  
 Renee S. Matherly, Englewood  
 Michael John McCord, Marion  
 Kenneth John McLaughlin, Montgomery  
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 Victoria Lynette Meacham, Canton  
 Kimberly Ann Meader, Davis, Calif.  
 Jill Ann Mesece, Houston, Tex.  
 David Lewis Meyerson, Lyndhurst  
 Elizabeth Ann Milano, Columbus  
 Mark C. Miller, Columbus  
 Marquis D. Miller, Columbus  
 Maryanne Miller, Hilliard  
 Melinda Ann Miller, Delaware  
 Michael Breen Miller, Youngstown  
 Clyde Allen Mills, Lorain  
 Mathew K. Mindlin, Columbus  
 John Matthew Mitten, Toledo  
 Christina Marie Montenegro, Columbus  
 Linda Moschell, Jefferson  
 Linda M. Murnane, Galloway  
 Dianne Kay Myers, Columbus  
 Katharine Nadai, Shaker Heights  
 James Douglas Neer, Springfield  
 David Andrew Newman, Eaton  
 Richard H. Nicodemus, Piqua  
 Pamela Sue Nohle, Reynoldsburg  
 Matthew Francis Novak, Riverlea  
 Deborah Ann O'Leary, Denver, Colo.  
 Megan Roberta O'Brien, Pittstown, N. J.  
 Margaret Elizabeth Osborne, Denver, Colo.  
 Donna Marie Panaran, Cincinnati  
 Eftychia Joy Pandis, Fairview Park  
 Katherine Marie Panterlis, Canton  
 Sophia Renee Papatreas, Lakewood  
 Michael L. Paquet, Warren  
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 Patricia Wood Petersen, Willowick  
 James Andrew Pica, Bath  
 Cynthia A. Pietrusik, Lackawanna, N. Y.  
 Michael Anthony Pirik, Columbus  
 Stephen M. Poisson, Columbus  
 Jeannette Louise Potts, Columbus  
 Michael J. Powell, Thibodaux, La.  
 Todd Matthew Powers, Cincinnati  
 Mark Charles Preul, Cincinnati  
 Roxanne Marie Price, Fremont  
 Karen Lee Prochaska, Shaker Heights  
 Laura Rogers Propater, Columbus  
 Randy James Puraty, Canton  
 Becky Lynn Radovic, Akron  
 Kerry Lynn Randall, Toledo  
 Shelly Anne Rapp, Aurora  
 Jill Marie Rauch, Chardon  
 Beth Ann Ray, Alliance  
 David Michael Reckart, Brook Park  
 Mary Catherine Reddington, Dayton  
 Robyn D. Redfern, Clarksville  
 Donna Fay Reed, Dayton  
 Kristine Anne Rhodenbaugh, Cincinnati  
 Karla Ann Rinto, Crestline  
 Arthur Jay Robbins, Richmond, Va.  
 Jess A. Roberts, Ashland  
 Daniel Mark Rodgers, Washington C. H.  
 Teresa Ann Rohr, Columbus  
 Assunta Rossi, Canton  
 Sue Ann Roush, Lima  
 David Bruce Rowlinson, Yellow Springs  
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 Dennis H. Rufener, Newbury  
 Lori Jane Runtzen, Williamsville, N. Y.  
 Jordell Newman Ryan, Columbus  
 Julie Ann Ryan, Worthington  
 Theodore Richard Saker VI, Columbus  
 Suzanne Ellen Schaefer, Pittsburgh, Pa.  
 Eric H. Schmidt, Sidney  
 Michael James Scholl, Cincinnati  
 Wendy Joy Schuller, Orange Village  
 Maureen Manan Schum, Columbus  
 Brian James Schwartz, Simi Valley, Calif.  
 Joni Beth Schwartz, Columbus  
 Elaine Scurci, Mansfield  
 Sherry Lynn Serotek, Canton  
 Diana Lynn Severance, Columbus  
 Sharon Shavit, Columbus  
 Phyllis Schwartz, Columbus  
 Lori Ann Sieckinen, Mt. Vernon  
 Adrien LaMonte Silas, Dayton  
 Kenneth Michael Simon, University Heights  
 Nancy Lynn Sisson, Darien, Conn.  
 Jennifer Lynne Sloan, Sharonville  
 Craig Alan Smith, Columbus  
 Julia-Lynn Smith, Columbus  
 Linda K. Smith-Graff, Columbus  
 Kimberly Jane Snyder, Wapakoneta  
 Sharon Sarah Sokobin, Toledo  
 Lori Lynn Sowash, Mansfield  
 Terry Lee Spaide, Duckburg  
 Darrell Lee Spegal, Miamisburg  
 Steven Richard Spence, Cincinnati  
 Glenford Louis Spinks, Zanesville  
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 Leslie Sue Steman, Buffalo, N. Y.  
 Lon David Stolarsky, Pepper Pike  
 Parri L. Strickland, Springfield  
 Sharlene Ann Surowiec, Boardman  
 April Lynn Taylor, Columbus  
 Frankie Lynn Taylor, Dublin  
 Dale Alan Thomas, Hinckley  
 Robert Gregory Tom, Bowie, Md.  
 Rita Ellen Toth, Wadsworth  
 Aldo Anthony Tripodi, Columbus  
 Michelle D. Tufford, Columbus  
 Sherri Frances Ujcieh, Minerva  
 Jeffrey William Ulrich, Huron  
 Brett Richard Van Bourgondien, Springfield  
 Hendrik Cornelus van Wieringen, Jr.,  
 Dayton  
 Donna Marie Velardi, Westport, Conn.  
 Bonnie Jeanne Weaver, Chillicothe  
 Lisa Jane Weber, Ironton  
 Sheryl Lynn Wein, Fairlawn  
 Arlene Sue Weiman, Dayton  
 Rebecca Sue Wendler, Fremont

Mary Ellen Whitlatch, Shadyside  
Valerie Ann Williamson, Cleveland  
Jeffrey Hugh Winick, Steubenville  
Lorna M. Winterrowd, Rockford, Mich.  
Joanne Marie Wolfe, Lorain  
Carol Ann Wright, Mansfield  
Freida Joy Yedid, Beachwood  
Sung Sig Yoon, Korea  
Susan Carol Yost, Newark  
Jeffrey Stewart Zeigler, Van Wert  
Shelley Joy Zimmerman, Beachwood  
James Michael Zippy, Bedford

### Bachelor of Science

Christina Noelle Anagnost, Toledo  
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Denise K. Backstrom, Orrville  
Robert Mitchell Baker, Walla Walla, Wash.  
Imogene Basinger, Mansfield  
Alfred Harris Benjamin, Stamford, Conn.  
Bambie Lexa Biggs, New Albany  
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Michael Patrick Brennen, Columbus  
Drew Robert Brown, Beaver Creek  
Mark Steven Bueker, Barberton  
Leonard Charles Capogreco, Girard  
Kimberly A. Caris, Galion  
Greg Casey, Cleveland Heights  
Deidre Elizabeth Clark, Coshocton  
Steven Lee Cochran, Newark  
Dale R. Davis, Parkman  
Sigrid Ehrenberg, Columbus  
Bradley Gail Erbeck, Mason  
Christine Holton Farrell, Westerville  
Mary Bess Felmet, Roseville, Mich.  
Michael Timothy Fishback, Columbus  
Timothy Craig Flash, Dayton  
Michael William Ford, Newark  
Gregory Scott Gantner, Dayton  
Lewie Alan Gillian, Parma  
Mary Beth Greenwell, Middletown  
Richard Joel Gross, Cleveland  
Sherri Renee Heyman, Beachwood  
Bret Alan Jacobson, New Brighton, Minn.  
Sharon Yvonne Johnson, Columbus  
David P. Katko, Elyria  
Libbey A. Keidel, Richmond Heights  
Elizabeth Marie Kerns, Medina  
Anne Bridgess King, Columbus  
David James Kwiatkowski,  
West Springfield, Mass.  
Richard R. Lotshaw, Parkersburg, W. Va.  
Celeste E. Marshall, Cincinnati  
Diane Louise Maute, Columbus  
Kelly Ann McCormick, Port Clinton  
Adrienne Jean McNicholas, Bellefontaine  
Jania Mkunga, Shabani  
Elizabeth A. Morgan, Galloway  
Kelly Patricia Nelson, Bealsville  
Annabelle Gozun Nierrens, Mansfield  
April Lynn Ours, New Philadelphia  
Richard G. Packo, Toledo  
Famela Sue Parsons, Bloomingdale  
William Frederick Pyle, Fairfax, Va.  
Jeri Sue Reed, Malvern  
Jennifer Daniel Ritchey, Bexley  
Diane Joan Rush, Westerville  
Charles Edwin Sallee, Chicago, Ill.  
Cynthia Ann Skapura, Lore City  
Bradley Brink Smith, Gahanna  
Susan Walker Smith, Oxford, Conn.  
Marjorie Armstrong Stassen, Newark  
Kyle Stinson, Clarksburg  
Daniel Francis Von Hoene, Cincinnati  
Eric Alan Willford, Findlay  
David Alan Williams, Columbus  
Mark Alan Wood, Dresden  
Michael Patrick Yonkers, Parma

### School of Journalism

#### Bachelor of Arts in Journalism

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Nancy Jane Baldner, Columbus  
Paul Countryman Barnhill, Ashland  
Dale Anthony Bernard, Parma  
Stanley Thomas Bialezak, Columbus  
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Margaret Elizabeth Brinkman, Grove City  
Lesley Anne Constable, Mansfield  
Deborah Lee Countiss, Columbus  
Cynthia Denice Crowe, Bryan  
Cynthia L. Dallinga, Akron  
James Robert Davis, New Garden  
Brian Richard DePasquale, Canton  
Steven Howard Dobbs, Springfield  
Jean Marie Dowling, Columbus  
Eric Ernst, Delaware  
Janet L. Fersky, South Euclid  
Janice Kathleen Fior, Yorkville  
Susan Kay Frisbee, Coshocton  
James Frederick Gasee, Poughkeepsie, N. Y.  
John Leslie Gibeau, Upper Arlington  
Robert Martin Goldring, Orrville  
Anne L. Graham, Dublin  
Patti Lynn Grapes, Elyria  
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Gail Pauline Harrison, Worthington  
Michael Eugene Hatherill, Akron  
Deborah Frances Hori, Columbus  
Billy Lee House, Hamilton Township  
Mike Kersmarki, Alliance  
Carl Phillip Langsenkamp, Columbus  
David R. Leigh, Dover, Dela.  
Joshua A. Loory, Columbus  
Kenneth William MacLeod, Columbus  
Carolyn Mallee, Garfield Heights  
Catriel Gerard Manning, Cleveland  
Victoria Lynn Martin, Columbus  
Mark John Massaro, Warsaw  
Mark Francis Mercurio, Columbus  
Regina Faye Moran, Akron  
Delores Anne Mundell, Dayton  
Cindy Darlene Nelson, Columbus  
Cynthia D. Neuman, Columbus  
Lori Jean Nims, Troy  
Mary Lee O'Neil, Lyons  
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David L. Poole, Columbus  
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Stephanie Ann Reseck, Masury  
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Catherine E. Watson, Trenton, Mich.  
Monica Louise Weir, Chesterland  
Cheryl Ann Welch, Columbus  
Ann Marie Williams, Hillsborough, N. H.  
Don A. Willman, Smithville  
David Lee Winters, New Carlisle  
Roger Ordeala Young, Marietta  
Linda Rae Zeitham, Hudson

### College of Administrative Science

Dean: H. Justin Davidson

#### Bachelor of Science in Business Administration

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David William Acuto, Horseheads, N. Y.  
Kenneth Robert Aldrich, LaGrange  
Heidi Lynn Alexander, Bexley  
Roxane Stoik Al-Fayez, Rice Lake, Wis.  
Mary Ann Allen, Mount Vernon  
Regina Marie Allen, Toledo  
Tarek A. Al-Shubaily, Columbus  
Cynthia Annette Ammar,  
Middleburg Heights  
Steven Scott Anderson, Columbus  
Bernice Shaw Andrews, Sandusky  
Robert Andrews, Massillon  
James Joseph Andrioff, Columbus  
Janice Elizabeth Apel, Columbus  
Domingo Jose Apolonio, Brecksville  
Joyce Ellen Ark, Enon  
Joseph Robert Armeni, Poland  
Laura Faith Armitage, Bay Village  
Leann Arnold, Frazeysburg  
Lori Sue Arnold, Lyndhurst  
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Douglas Lee Aschenbach, Sidney  
Barbara Ann Ashcraft, Granville  
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Barry C. Axelrod, Lyndhurst  
Michael McQuiston Bachert, Coshocton  
Joseph Edward Baginski, Parma Heights  
Assunta Bagnoli, Hartville  
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Donald Sherman Baker, Jr., Dayton  
Robert Dean Baker, Columbus  
Paul Alan Baldauf, Delphos  
Duane Clark Baldwin, Waverly  
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Palm Beach Gardens, Fla.  
Geoffrey Douglas Banwart, Worthington  
Christopher James Barber, Geneva, Ill.  
Mark Stanton Barnhart, Belpre  
Ronald Richard Bassak, Bese Hills  
Holly Ann Baughman, Johnstown  
Carol Lee Beardsley, Warren  
Larry Frank Bechtel, Tiffin  
William David Beebe, Cincinnati  
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Edward Berger, Hawthorne, N. J.  
Melissa Mary Bernard, Columbus  
Trudie Kristine Berry, Fallsburg  
James Michael Bevaqua, Toledo  
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Ren Altan Biederman, Ashland  
Jeffrey Shannon Bierbower, Belpre  
John Alan Biltz, Avon  
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Jackson Ralph Blue, Danville  
Susan Elizabeth Bly, Akron  
Scott Thomas Bogner, Willard  
Scott Henry Bonhard, Mt. Cory  
Ronald Gene Booker, Medina  
J. Paul Boyer, Columbus  
John Auman Bradford, Saint Mary's  
Peter Douglas Braun, Snyder, N. Y.

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 John Morley Breitingner, Lexington  
 Amanda Jayne Brickley, Mansfield  
 Steven Richard Brickley, Phoenix, Ariz.  
 Laura Jean Bridle, Strongsville  
 John Brearton Brookbank, Cincinnati  
 Greg R. Brooks, Marion  
 Deborah Lynn Brown, Elyria  
 Zane Eric Brown, Lancaster  
 Jay Douglas Buchs, Amherst  
 Dixon Allan Buehler, Columbus  
 Gary Robert Buehler, Columbus  
 Scott Charles Buehler, Wooster  
 John Henry Bugaj, Garfield Heights  
 Joseph Orwin Bull, Marion  
 Eric Michael Buller, University Heights  
 Michael Christopher Burdorf, Port Clinton  
 John Kenneth Burge, Springboro  
 Joan Elizabeth Burk, Springfield  
 Karen Louise Burks, Cleveland  
 Pamela Ann Burkley, Cuyahoga Falls  
 Kimberly Ann Bushman, Gahanna  
 Michael Clark Butler, Columbus  
 Richard Charles Cail, Columbus  
 Kevin David Calland, Columbus  
 Maureen Elizabeth Campbell,  
 Parma Heights  
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 Rita Judith Capuano, Columbus  
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 Beth Ann Carlson, Cincinnati  
 Ginger Lanae Carmean, Chillicothe  
 Marianna Margaret Carnes, Westerville  
 Betsy Nannette Carpenter, Columbus  
 Robert John Carr, Cincinnati  
 James Charles Carter, Columbus  
 Richard Carvalho, Vandalia  
 Peter Eriks Circeins, Indianapolis, Ind.  
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 Anne Howell Clark, Columbus  
 Donald M. Clark, Columbus  
 Julian J. Cloern, Newark  
 Alan J. Cloern, Columbus  
 Randy M. Clough, Columbus  
 H. Dennis Cohen, Canton  
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 Tim Kevin Smith, West Mansfield  
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 Mitchell Douglas Snyder, Payne  
 Donald Dean Spar, Ada  
 Timothy Samuel Spoerl, Hamilton  
 Gabor Spruch, Cleveland  
 Harvey Ross Stanfield, Manchester  
 Steve Scott Stauch, Dublin  
 Brian David Stemm, Zanesville  
 Susan Elizabeth Stevenson, Circleville  
 Charles Oscar Stiver, Litchfield  
 Mark James Stoll, Norwalk  
 Fred Edwin Stufft, Lansing  
 Phillip Lee Swayne, Peebles  
 Wendell Lee Swartzentruber, Fredericktown  
 Frederic Martin Swinehart, Gratiot  
 Joseph Raphael Syring, Toledo  
 Julie Ann Tague, New Lexington  
 Terrence James Tarantino, Garfield Heights  
 Kathryn Anne Thomas, Lakewood  
 Alan Briggs Thompson, Washington C. H.  
 James Harmon Thomson, Shelby  
 Anna Marie Tokash, Youngstown  
 Donald Eugene Tulloss, Utica  
 William Douglas Urban, Medway  
 Richard Allen Vanover, Lancaster  
 Jeffrey Thomas Van Sickle, Somerset  
 Steven Howard Vaughan, Hartsville  
 Drew Alan Vermeire, Sharpsville, Pa.  
 Jeffrey David Voss, Circleville  
 Karl James Vranek, Mayfield Heights  
 Douglas Taylor Wagner, Orrville  
 Theodore Lynn Waldoek, Attica  
 Sarah Elizabeth Walker, Bangkok, Thailand  
 Richard Lawrence Wallace, Worthington

Irene Louise Wallbaum, Dayton  
 Alice Madeline Walters, Newark  
 Karen Lee Walther, Mahopac, N. Y.  
 Larae Anne Watkins, Columbus  
 David Michael Welsh, Cadiz  
 Cheryl Ann Wenner, Powell  
 Carol Ann Weyrich, Hillsboro  
 Chris Alan Wherry, Vandalia  
 Mark Leland Wilson, Oak Harbor  
 Roseanne Windsor, Cleveland  
 Judy Carol Wolford, New Holland  
 Julie Patterson Woods, Fullerton, Calif.  
 Timothy Duane Woodward, Fletcher  
 Sandra Lee Woolard, Newark  
 John Joseph Yasosky, Akron  
 William Leo Yost, Columbus  
 Neal Ray Young, Warsaw

## Bachelor of Science in Food Science

Michael James Benhase, Westchester  
 Daina Lynn Clark, Delphos  
 Marianne Frances Smisko, Wadsworth

## Bachelor of Science in Food Technology

Shang Hwei Chang, Taiwan  
 Laury John DiMichaelangelo, Youngstown  
 Elizabeth Alaire Entwisle, North Canton  
 Nancy Marie Flowers, Newark  
 Bruce Robert Golovan, Pepper Pike  
 John Henry Hauser, Port Clinton  
 David Hinsdale Kess, Columbus  
 Sandra Kay Leaman, Beachwood  
 Bradford Lee Kess, Beachwood  
 Michael Charles Macigar, Warren  
 Larry David Skaggs, Xenia  
 Deborah Ann Skurkay, Moerssen, Pa.  
 Ted Eugene Stambaugh, Lima  
 Howard Edward Wright, Jr., Cincinnati

## Bachelor of Science in Nutrition

Dale Allen Fritsch, Cincinnati  
 Elaine Ann Malley, Youngstown  
 Scott L. Rose, Chagrin Falls  
 Bruce David Uhal, Painesville

## School of Home Economics

### Bachelor of Science in Home Economics

Jody Rene Adams, Columbus  
 Kathryn Diane Barry, Inverness, Ill.  
 Kathy Ann Bone, Columbus  
 Laurie Sue Bowers, Plain City  
 Cheryl Lynn Brantner, Huron  
 Constance Marie Brembeck, Columbus  
 Donna Estelle Broadnax, Columbus  
 Elizabeth Ann Broderick, Coshocton  
 Debra Ann Bronstein, Beachwood  
 Sheila Margaret Broscoe, Lisbon  
 Barbara Jo Brown, Botkins  
 Cathleen Burgan, Snow  
 Jan Arlene Caday, Newark  
 Jerri Lynn Carper, Fremont  
 Kelly Joanne Connors, Delaware

Candace Diane Crenshaw, Toledo  
 Amy L. Crone, Bowling Green  
 Rosemarie D'Aries, West Orange, N. J.  
 Mary Jo Daup, Shelby  
 Jill Lynn Day, Columbus  
 Betty L. Denman, Westerville  
 Anne Marie Devine, Marysville  
 Janet Lucille Dildine, Columbus  
 Penny Jean Donaldson, Zaneville  
 Darlene Debbie Douglas,  
 Warrensville Heights  
 Maureen Elizabeth Dowds, Columbus  
 Patricia Downing, Reynoldsburg  
 Miriam Sue Droll, Fostoria  
 Carol Kay Eichhold, Hamilton  
 Dori Lynn Ernst, Cincinnati  
 Jan Bernice Evans, Worthington  
 Patricia Kay Farrell, Stow  
 Karen Rose Figgins, Dayton  
 Mary Elizabeth Foltz, Worthington  
 Joni K. Foster, Circleville  
 Amy Sue Givens, Cincinnati  
 Sandra Karen Graham, Columbus  
 Lydia Lee Green, Columbus  
 Patti Arlene Grove, Shelby  
 Mary Anne Gruber, Cincinnati  
 Jill Mary Gusweiler, Cincinnati  
 Cheryl Lee Guy, Tipp City  
 Christine A. Haefeli, Columbus  
 Beth Katherine Hammerstein, Columbus  
 Sue Ann Hannan, Columbus  
 Mary Kathleen Hargreaves,  
 Alexandria, Va.  
 Heather Long Harley, Pittsburg, Pa.  
 Christina Lee Harrington, South Vienna  
 Nanette Paula Haupt, Worthington  
 Kathleen Ann Haycock, Columbus  
 Debra Ann Henke, Cincinnati  
 Beverly Elaine Henry, Apple Creek  
 Dana Marie Hoffmaster, Akron  
 Regina Susan Holmes, Columbus  
 Cynthia Rae Hoover, Thornville  
 Pamela Jean Howell, Warren  
 Karen Jennine Mast, Cincinnati  
 Sherry Renee Humphrey, Cahokia, Ill.  
 Debra Ann Johnson, Gallipolis  
 Cheryl Ann Jones, Kenton  
 Sheryl Ann Kalish, Mansfield  
 Wanda Kay Kamler, Florissant, Mo.  
 Cynthia L. Kandel, Gahanna  
 Barbara Louise Kleahn, Strongsville  
 Lisa Rose Lamancusa, Beloit  
 Jill L. Lewis, Toronto  
 Barbara June Lipp, East Palestine  
 Jane Ann Lonsinger, Newark, N. J.  
 Elizabeth Sue Lucas, Cincinnati  
 Mary Susan Madlener, Cincinnati  
 Linda Elizabeth Mahoney, Columbus  
 Tara Deneen Maragas, North Canton  
 Annie S. Mason, Columbus  
 Karen Jennine Mast, Defiance  
 Diane Gay McEnerney, Worthington  
 Mary Teresa McKinley, Columbus  
 Ann Elizabeth McMillen, Columbus  
 Debra Lynn Miller, Louisville  
 Linda Sue Miller, Warren  
 Deborah Lynn Nay, Columbus  
 Susan Marie Oreyro, Dayton  
 Elizabeth Ann Parks, Englewood  
 Ann Catherine Poggiali, Sandusky  
 Patricia Rose Prendergast, Worthington  
 Linda Jeanne Prunier, Lancaster  
 Rebecca Barbara Rable, Toledo  
 Carolee Rafn, Chippewa Lake  
 Paula Ann Reeves, Columbus  
 Susan Ann Reiss, Columbus  
 Cynthia Jane Riddle, Fairfield  
 Cheryl Denise Roach, Grove City, Pa.

Janet Heck Roads, Westerville  
 Cynthia Hazzard Rothe, Columbus  
 William Jay Satterfield, Newark  
 Doris Pauline Schneider, Mayfield Heights  
 Melinda Ann Schrote, Marion  
 Cheryl Lynne Sharpe, Columbus  
 Jacqueline Marie Sheets, Sherwood  
 Jean Davis Sheets, Columbus  
 Deborah Ann Silleck, Boardman  
 Cynthia Lynn Singer, Oak Harbor  
 Lynette Kathryn Smith, North Ridgeville  
 Pamela Jayne Spalding, Canton  
 Joyce Ann Stemen, Bremen  
 Cathy Jo Stocksdale, Columbus  
 Victoria Ann Summers, North Ridgeville  
 Lorrie Ann Swegman, New Palestine, Ind.  
 Anne Elizabeth Thatcher, Columbus  
 Beverly Ann Thompson, Dayton  
 Elizabeth Ann Thompson, Media, Pa.  
 Karen Leigh Tomb, Forest Park  
 Karol Lynn Tomb, Forest Park  
 Catherine Rita Troyan, Columbus  
 Patricia Ann Turgeon, Fairview Park  
 Tamar Ann Turritin, Worthington  
 Julie Ann Underhill, Reynoldsburg  
 Mary Christine Warner, Rocky River  
 Jane Susan Weckesser, Wooster  
 Roberta A. Welch, Nevada  
 Joyce Ann West, New Philadelphia  
 Janine Carol Westercamp, Monroe  
 Valerie L. Whitton, Eastlake  
 Tara Lea Widener, Carroll  
 Mary Grace Wiehn, Shaker Heights  
 Toykane Yee, Youngstown  
 Linda Sue Zehentbauer, Hanoverton  
 Carol Denise Adamcik Zerucha, Columbus  
 Karen Sue Zuchetto, Kenton

### **Bachelor of Science in Food Technology**

Susan E. Dunn, Mansfield  
 Doris Bezilka Ticknor, Kirtland

### **Bachelor of Science in Nutrition**

Myfanwy Jori Borel, Columbus  
 Kathleen Marie Conroy, Cleveland  
 Joseph P. Fusco, Freeport, N. Y.  
 Suellen McBurney, Ashland

### **Bachelor of Science in Restaurant Management**

Scott Steven Bergman, New Rochelle, N. Y.  
 Mark Maier Fruehan, Columbus  
 Priscilla Elizabeth Hall, Mentor  
 Charles L. Morar, Warren

### **School of Natural Resources**

#### **Bachelor of Science in Natural Resources**

Lawrence Francis Albanese, Groveport  
 Steven Parks Baker, Chagrin Falls  
 Scot Alan Bauer, Circleville  
 Daniel Robert Bindofer, Parma  
 Julie Maria Braun, Castalia  
 Blaine Paul Brockman, Columbus  
 Edward Michael Bruno, Mingo Junction

Scott Matthew Compton, Gahanna  
 Robert Alan Darkow, Akron  
 Donald William Dorr, Cincinnati  
 Michael John Dowd, Worthington  
 Patricia Joyce Fagan, Columbus  
 Jeffrey J. Farwick, Cincinnati  
 Robert J. Feidner, Upper Arlington  
 Walter Peter Getzinger, Stow  
 Steven Andrew Graber, Toledo  
 Jane Grazak, Brecksville  
 Daniel Thomas Haley, Columbus  
 Brent F. Hall, Fredericktown  
 Marian Eyer Harmount, Troy, Mich.  
 Cynthia Sue Henn, Dayton  
 Flora Ann Huey, Marysville  
 Charles Graham Ikins, Clinton  
 David Clayton Jenkins, Troy  
 Marcia Elizabeth Johnson, New Washington  
 Joseph Alan Kanopsis, Columbus  
 Mary Louise Keating, Lakewood  
 Larry Mark Kibler, Columbus  
 Brad Carlton Kieffer, McClure  
 Andrew Scott Kimmel, Avon Lake  
 Heidi Carolyn King, Middletown  
 Dianne Marie Konehan, Euclid  
 Lawrence Joseph Krall, Willoughby Hills  
 Edward Joseph Kullder, Garfield Heights  
 Lisa Ann Kutschbach, Chillicothe  
 Thomas Earl LaVergne, Sidney  
 Scott Allen Lenthe, Malta  
 Frederick William Lindquist, Fairlawn  
 Mark Harry McNabb, Marysville  
 Stephen James Mazer, Maple Heights  
 James Dodson Maloney, Chillicothe  
 Stephen Henry May, Lindenhurst, N. Y.  
 Thomas Martin Morgan, Columbus  
 Jay Kurt Niederhelman, Cincinnati  
 Cindy Dolores Oplinger, Akron  
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 Donald Scott Powell, Clyde  
 Jeffrey George Powers, Columbus  
 Steven Theodore Race, Columbus  
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 Patricia Ann Richmond, Malta  
 Alfred Lee Rizzo, Millville, N. J.  
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 David Vincent Ross, Columbus  
 Timothy James Saskowsky, Dayton  
 Walter Bruce Schlabach, Carrollton  
 Mark Alan Shields, Curtice  
 James William Shiner, Jr.,  
 Slippery Rock, Pa.  
 Judith Lynn Stafford, Portsmouth  
 William Joseph Steinbach, Cedaredge, Colo.  
 James Robert Steinman, Findlay  
 Phillip Allan Stewart, Middletown  
 Robert Jennings Stiles, Hamilton  
 Mark Gerard Taylor, Columbus  
 William John Taylor, Marietta  
 David Alan Them, Mansfield  
 Eric Jay Thompson, Kettering  
 Matthew William Timbrook, Oregon  
 Ronald T. Trivisono, Highland Heights  
 Susan Jean Tucker, Springboro  
 Michael Lynn Turner, Tiffin  
 Steven Mark Valent, Akron  
 Andrew Joseph Wells, Columbus  
 Donald Robert Zak, Independence



## Agricultural Technical Institute—Wooster

### Associate in Applied Science

Hans Edward Albright, Wooster  
Anita Marie Arendt, Parma  
Gordon Neal Arney, Fresno  
Garry Eugene Barres, Hiram  
Mark Alan Beck, Bradford  
Scott Edward Beetz, Cincinnati  
Mark Lynn Bell, Newton Falls  
Americo Philip Bisirri, Jr., Ravenna  
Robert Thomas Black, Wooster  
James Michael Bolen, Fremont  
Michael David Boos, Grove City  
Jonathan Palmer Bowlus, Perrysburg  
Timothy Jay Briggs, Canton  
Charles James Britt, Columbus  
Rhonda Sue Burtcher, New Philadelphia  
John Richard Call, Park Forest South, Ill.  
Raymond Pietro Caranci, Painesville  
Charles Lindsey Carney, Goshen  
Melodie Nannette Carter, Oberlin  
Philip Stephen Carter, Gahanna  
Nancy Jean Castanien, Pittsburgh, Pa.  
James Lee Casto, Stow  
Bruce Ronald Clinger, Upper Sandusky  
Eric Ronald Cochran, Troy  
Gregory Alan Collins, Fredericktown  
Charles Brian Cook, Chillicothe  
Steven Allen Coolman, Ney  
Deborah Lynn Coultas, New Philadelphia  
Marcella Diane DeCuster, Navarre  
Bruce Walter Dodenbough, Holden, Mass.  
David Alan Donahue, Thornville  
Kurt Edward Dunn, Bloomville  
Steven Joseph Eaber, Westlake  
Rochelle Ann Felski, Burbank  
Jeffrey Edward Fowle, Xenia  
Neil Thomas Fritz, Massillon  
William Michael Geib, Lakewood  
Donald Michael Gilbert, Blanchester  
Joseph Anthony Gnizak, Smithville  
Paul Edward Cornelia Haanschoten, Roswell, Ga.  
Roster Leroy Hamrick, Coolville  
James Kenneth Harger, Lowellville  
Alan Eugene Harris, Cardington  
Richard Alan Hauger, Howard  
Lynn Ellsworth Hawley, III, Vienna  
William Roger Hedges, Ashland  
David Robert Hershey, Columbia Station  
Thomas Lee Hillier, Mt. Vernon  
Kevin M. Hollern, Columbus  
John Lee Hornor, Columbus  
Jacinta Marie Hosfeld, Wooster  
Fred Laurence Hughes, Akron  
Vincent Francis Hunt, Cleveland Heights  
Gary Lee Hutzelman, Hamilton  
Kevin Thomas Jenne, Iberia  
Donna Jessberger, Bexley  
Bradley Scott Johnson, Columbiana  
Donald Earl Johnston, Jr., Columbus Grove  
Darrrel Dean Junkins, Rossford  
Mara Lynne Kandel, Salem  
Ronald William Keller, Crestline  
Phoebe Marie Kerby, Hamilton  
Jeff Allen Klontz, Mogadore  
Jeffrey Alan Knoop, Fletcher  
Thomas Martin Koch, Homerville  
Loretta Marie Kramer, Navarre  
Virginia Ann Kristof, Bay Village  
Gail Ruth Kulmala, Lodi  
Marcus Lewis Lacinak, Milford

Darrell Edwin Leis, Greenville  
Gary John Lengerich, Wapakoneta  
James David Lifer, Butler  
Martha Ellen Lipscomb, Marietta  
Teresa Jean Lukacz, Olmsted Falls  
Jennifer Jane McDaniel, Woodstock  
Mary Elizabeth Mahne, Painesville  
Patricia Ann Martin, Monroeville  
Joseph Raymond Masek, Solon  
Patricia Jean Masek, Solon  
David Michael Mast, Pleasantville  
Anthony John Masterson, North Royalton  
Kenneth Allen Mays, Bellevue  
Amy Suzanne Minsky, Broadview Heights  
William Howard Moore, Strongsville  
Julie Anne Neal, Trenton  
Laura Ellen Nesbitt, Mt. Gilead  
Jane Ann Nordhaus, Massillon  
Clement Nutt, Newark  
Margaret Ann Obringer, Piqua  
Christopher Jay Oswald, Mansfield  
Virginia Mary Owens, Mantua  
Victor J. Pacura, New Middletown  
Linda Eileen Pastor, Gahanna  
John Francis Pecquet, Cincinnati  
Dennis Warren Pemberton, Columbus  
Martin Joseph Pero, Hartsville  
Joseph Michael Phillips, Macedonia  
Kenda Marie Poland, Milford Center  
Thomas Jay Pontius, Ashville  
Mary Ann Poulson, Wooster  
Sally Ann Poyer, Wakeman  
Paul Albert Raimonde, Westerville  
Philip Edward Rauch, Newark  
Mark Edmund Regula, West Lafayette  
Herbert Winston Rippley, New Philadelphia  
Jerry Wayne Robinson, Nova  
Daniel Ray Rodenbucher, Atwater  
Kenneth Richard Bohal, Berea  
Paul Joseph Roszak, Parma  
Carl Christopher Sasa, Bellevue  
Douglas Alan Scheidt, Cincinnati  
Thomas Edward Schlaegel, Worthington  
Walter Christian Schulisch, Jr., Toledo  
Lynne Marie Schumm, Fremont  
James William Schwartz, Lakewood  
John Henry Smith, North Ridgeville  
Candis Saint Smithson, Galena  
Kevin William Snyder, Walbridge  
David William Sproull, Crestline  
Amy Elizabeth Sprunger, Seville  
Brian James Steinhilber, Bucyrus  
Gregory Lee Stover, Xenia  
Debbie Louise Swineford, Ashland  
Craig Keith Switzer, Ashland  
Scott Christopher Taylor, Lorain  
Arden J. Thomann, Cincinnati  
Julie Lynn Thompson, New Carlisle  
Lisa Marchelle Thompson, Burbank  
Thomas Anthony Toledo, Cleveland  
Steve Joseph Torma, Richfield  
Glenn Alan Turner, Wooster  
Mark Andrew Venis, Pemberville  
Douglas Dean Ventling, Warren  
Marvin Edward Viook, Wakeman  
Susan Waldner, Wellington  
Gregory Alan Walter, Columbia City, Ind.  
Mark Allan Webber, Findlay  
Richard Gerard Wetzling, Columbus  
Alva DeWayne Whitt, Gahanna  
Donna Renee Willig, Harrison  
Glenn Roy Yaple, Circleville  
David John Young, Wadsworth  
Janet Lee Young, Euclid  
Elmer Delbert Zimmerman, Lowellville  
Sharon Marie Zucal, Canton  
Thomas William Zitzman, Parma  
Kenneth Edward Zwayer, Groveport

## College of Dentistry

Acting Dean: William R. Wallace

### Doctor of Dental Surgery

John J. Amorati, Parma  
B.S. (Cleveland State University)  
Edward S. Amos, Columbus  
Kimberly Marie Anderson, Tecumseh, Mich.  
B.S.  
Russell Harold Arendt, Cleveland  
B.A. (Case Western Reserve University)  
Edward George Babits, Columbus  
R.D.H., B.S.  
Robert Wesley Barnett, Jr., Portsmouth  
B.S.  
M. Frank Beck, Jr., Youngstown  
B.S. (John Carroll University)  
Stephen Michael Begeza, Youngstown  
B.S.  
Mark Steven Bello, Columbus  
B.S.  
James Leo Berning, Minster  
B.A. (University of Toledo)  
Raymond Edward Bernotas, Gates Mills  
B.A. (Case Western Reserve University)  
Mark Steven Bernsdorf, Columbus  
B.S.  
John Robert Bettineschi, Jr., Dillonvale  
B.S.  
Pamela Jean Bowman, Chicago, Ill.  
B.S. (Bradley University)  
Timothy Bergin Bringardner, Painesville  
B.S. (University of Miami)  
Michael R. Brooks, Youngstown  
B.S. (Youngstown State University)  
Karl Burgess, Southport, England  
B.S. (Oglethorpe University)  
John Alan Burns, Barborton  
B.A. (University of Toledo)  
Allen Dean Carnes, Columbus  
B.S.  
Jack Daniel Castilla, Warren  
E.S.  
Michael Alfred Chaney, Newton Falls  
B.A. (Thiel College)  
Michael Patrick Cloran, East Liverpool  
B.S.  
Timothy Brian Coffelt, Springfield  
B.S.  
Steven Scott Cole, Shaker Heights  
B.S., M.A. (Kent State University)  
Andrew Miller Connor, Columbus  
B.A. (Miami University)

David Harry Conrad, Akron  
B.A. (University of Akron)

James Harry Cottle, Worthington  
B.S. (Ohio University)

Mary Cecilia Crosby, New York City, N. Y.  
B.S. (Hunter-Bellevue College)  
M.P.S. (C. W. Post College)

Stephen William Curran, Cincinnati  
B.S. (University of Cincinnati)

Charles William D'Aiuto, Columbus  
B.S.

Michael Wayne Davis, Boston, Mass.  
B.A. (Boston State College)

Gina Denise Dean-Mills III,  
Warrensville Heights  
B.A. (Ohio Wesleyan University)

Donald Anthony DeChellis, Youngstown  
B.S. (University of Cincinnati)

John Fredric Denison, Jr., Cuyahoga Falls  
B.G.S. (University of Kentucky)

David Eric Dennis, Delaware  
B.S.

Joseph Anthony DeNunzio, Conneaut  
B.S. (Ohio University)

Penelope Lynne Dietz, Grove City  
B.S. (Ohio University)

David Gary Dixon, Highland Heights  
B.A. (University of Toledo)

Nancy L. Drescher, Toledo  
B.A. (University of Toledo)  
B.Educ. (University of Toledo)

Gary Robert Duff, Cambridge  
B.A. (Wittenberg University)

Raymond Leroy Eggert III,  
Chatham Township, N. J.  
B.A. (Ohio Wesleyan University)

Kenneth Gray Eifert, Delaware  
B.A. (Miami University)

Danny Ray Eller, Sophia, W. Va.  
B.S. (Concord College)

Renee Rowley Emerich, Swanton  
B.A. (Miami University)

Abraham Esses, Cincinnati  
B.S. (University of Cincinnati)

Norman Ernest Facter, Cleveland  
B.A.

John Milton Feock, Euclid  
B.S. (Bowling Green State University)

Raymond Robert Fenner, Brunswick  
B.A. (Case Western Reserve University)  
M.Ed. (Cleveland State University)

Husine Fick, Oregon  
B.A. (University of Toledo)

Nancy Walmen Garlisi, Columbus  
B.A. (Ohio Dominican College)

Jay Robert Gaunt, Mansfield  
B.S.

Roger D. Glenn, Dayton  
B.S. (Ball State University)

George Jeffrey Glikes, Steubenville  
B.S.

Nancy Ellen Godwin, Lima

Roy M. Gottlieb  
B.S. (University of Michigan)

Scott Earl Gray, Circleville  
B.A. (Mount Vernon Nazarene College)

James Stephen Gurley, Fairport Harbor  
E.S.

Richard John Gustafiero, Ashtabula  
B.S. (Garfield Senior College)

William Joseph Hagerty, Dayton  
B.S. (University of Notre Dame)

Michael Henry Hards, Findlay  
B.S.

Matthew John Harrington, Lorain  
E.A.

Joseph Michael Heider,  
Fort Lauderdale, Fla.  
R.D.H., B.S.

Eric Dean Henize, Cincinnati  
B.S. (Centre College of Kentucky)

Michael Arnold Herbert, Williamson, N. Y.  
B.A. (Columbia University)

Michael Andrew Herman, Dayton  
B.S. (Wright State University)

S. Craig Herman, Bryan

Gary Roger Hermann, Lakewood  
B.S. (Bowling Green State University)

Thomas A. Heydinger, Jr., Bellefontaine  
B.A. (Miami University)

Jack Brian Hilty, Fremont

David Eugene Hypes, Marion  
B.S.

Thomas Ionna, Cincinnati  
B.S. (Xavier University)

Harold Cortez Johnson, Camden, N. J.  
B.S. (Boston College)

Michael E. Judy, Barberton  
B.S. (John Carroll University)

James Richard Karpac, North Royalton  
E.A.

William Robert Kolodzik Kaye,  
Worthington  
B.S.

Steven Michael Kazley, Erie, Pa.  
B.S. (Allegheny College)

Terence Patrick Kelly, Wickliffe  
B.S. (John Carroll University)

David Charles Kerschner, Wadsworth  
B.S. (Mount Union College)

Neil Eric Kesselman, Brooklyn, N. Y.  
B.A. (State University of New York at  
Binghamton)

Robert Marvin Kikel, Bedford  
B.A. (Miami University)

Theodore William Klein, Edina, Minn.  
B.A., M.S. (Miami University)

Stephen Gregory Komara, Poland  
B.S. (Ashland College)

James G. Kotapish, Jr., Cleveland Heights  
B.S. (Florida Southern College)

Douglas Edward Kowalczyk, Bedford  
B.S.

Steven Alan Kueck, Cincinnati  
B.S. (University of Iowa)

Stephen Paul Kuennemeier, Cincinnati  
B.A. (Capital University)

David Scott Kuhre, Chagrin Falls  
B.A. (Miami University)

Daniel Joseph Kunkel, McDonald  
B.A. (Oberlin College)

Wendy Jean LaBarr, Kettering  
B.A. (Vanderbilt University)

Thomas James Lambert, Cincinnati  
B.S.

Alexander Christie Lambrinides, Cincinnati  
B.S.

Kenneth Lee Lawrence, Orwell

David Alan Leach, Warren  
B.A. (Miami University)

Paul S. Leher, Columbus  
B.A., M.S. (University of Illinois)

James Eugene Lessick, Girard  
B.S. (Youngstown State University)

Raymond Lev, Youngstown  
B.S.

Theodore Librizzi, Ridgefield, Conn.  
B.S. (Ohio University)

Nina Christine Lichvarik, Fairview Park  
B.A. (Baldwin-Wallace College)

Ronald Lee Lipp, East Palestine  
B.S.

Scott Quinn Little, Johnstown, Pa.  
B.S. (University of Pittsburgh)

Vincent J. Lombardo, Columbus  
B.S.

Richard David Macejko, Struthers  
B.S. (Youngstown State University)

George Eric Magyar, Shadyside  
B.S. (Bethany College)

Susan Regina Mallory, Arlington, Va.  
B.S., M.S.

Anthony Joseph Marino, Mayfield Heights  
B.S. (John Carroll University)

Terry Lee Marquard, Parma Heights  
B.S. (Cleveland State University)

Jean Elizabeth Marshall, Dayton  
B.A.

Daniel George Marulli, Paramus, N. J.  
B.S. (Montclair State College)

Leslie Ann McDougall, Mt. Vernon  
B.S. (University of North Carolina)

Mark William McHugh, St. Clairsville  
B.S. (Mount Union College)

Glen Arthur McMurray, Parkman  
B.S. (Grove City College)

James Edwin Mercer, Akron  
B.S. (Vanderbilt University)

David Bruce Merker, Zanesville  
B.A. (Miami University)

- Don Carl Metnes, Cleveland  
B.S.
- Charles Michalak, Toledo  
B.A., M.S. (University of Toledo)
- David Anthony Migliore, Dover  
B.S. (University of Pittsburgh)
- Dennis Alan Monroe, Fairview Park  
B.S. (Kent State University)
- Alan Evan Moore, Niles  
B.A. (Case Western Reserve University)
- Steven Ralph Moore, Hamilton  
B.S. (Marietta College)
- Cheryl Atkinson Nystrom, Avon, Conn.  
B.A. (Russel Sage College)  
M.S. (Rutgers University)
- John Michael Olis, Wadsworth  
B.S.
- Stephen Ira Oppenheimer, Columbus  
A.B. (Indiana University)
- Sharon Kay Parsons, Newark  
B.S.
- Joseph R. Pawlik, Garfield Heights  
B.S. (Cleveland State University)
- Douglas Richard Phillips, Shelby  
B.S.
- Ronald Michael Principi, Warren  
B.A. (Ohio Northern University)
- James Michael Radecki, Toledo  
B.A.
- Richard R. Ragozine, Girard  
B.S. (Youngstown State University)
- Nicholas Paul Raptou, Youngstown  
B.S.
- Gary Warren Raymond, Kent  
B.S. (Kent State University)
- Linda Ellis Records, Worthington  
R.D.H., B.S., M.A.
- Jan Michael Rizzo, Toledo  
B.A. (University of Toledo)
- William C. Rogers, Hamilton  
A.B. (Indiana University)
- David Matthew Rolsten, Lima  
B.S.
- Robert Allen Ronevich, Dillonvale  
B.S.
- Lawrence Phillip Ross, Toledo  
B.A. (University of Toledo)
- James Timothy Russin, Steubenville  
B.S.
- Patricia Ann Ryan, Mansfield  
B.S. (Northeastern University)
- Marlin Scott Salmon, Tonawanda, N. Y.  
B.A. (S.U.N.Y. at Buffalo)
- John Clarke Sanders, Jr., Shaker Heights  
B.A. (University of Virginia)
- John Norge Santin, Akron  
B.S. (University of Akron)
- Eugene Anthony Schlank, Cincinnati  
B.S. (Xavier University)
- Lee Allyn Schmitt, Amherst  
B.S. (University of Akron)
- Peggy Crema Schomaker, Cincinnati  
B.S. (Xavier University)
- Kathleen Lee Schroeder, Toledo  
B.A. (Wellesley College)  
M.S. (Case Western Reserve University)
- Michael Robert Schumacher, Cincinnati  
B.S.
- Alice Amy Sclafani, New York City, N. Y.  
B.A. (Marymount College)
- Gregory Carl Seymour, Ashtabula  
B.S.
- Lee Michael Shapiro, Lyndhurst  
B.S. (University of Cincinnati)
- Andrew Shemella, Garden City, N. Y.  
B.S. (State University of New York)
- Raymond Alan Sheridan, Grove City  
B.S.
- Gary Dennis Shue, Akron  
B.S.
- David Kirkwood Sickinger, Tuscarawas  
B.S. (Muskingum College)
- Dennis Wayne Sindel, Columbus  
B.S.
- Rick Michael Singel, Columbus  
B.A. (Marquette University)
- J. Sheldon Smith, Cridersville  
B.S.
- James Leon Soltys, Alliance  
B.S.
- Robert E. Storm, Bellevue  
B.S.
- Mark Nolen Stuckey, Kettering  
B.S. (Miami University)
- Richard David Sweaney, North Canton  
B.S.
- Laura Diane Swerdlin, West Islip, N. Y.  
B.S. (State University of New York at  
Stony Brook)
- Scott Lee Thatcher, Wren  
B.S. (Miami University)
- Christopher Thielen, Cincinnati  
B.A. (Miami University)
- Gary Allen Thomas, Springfield  
B.A.
- Timothy C. Tilton, Caldwell  
B.S. (Ohio University)
- Barth Matt Toothman, Columbus  
B.S. (Louisiana State University)
- Franklin E. Tuttle, Georgetown  
B.S. (University of Cincinnati)
- David Wayne Urban, Kent  
B.S. (The College of William and Mary)
- Daniel James Vannelle, Shadyside  
B.S.
- David Franklin Veit, Wapakoneta  
B.S. (Bowling Green State University)
- Roger Alan Vitter, Martins Ferry  
B.S.
- William John Waddell, Ironton  
B.S.
- Douglas William Wallace, Worthington  
B.A.
- Peter Albert Welnak, Columbus  
B.A. (Indiana University)
- Eugene Paul Wenzke, Dayton  
B.S.
- Roger William Weyand, Faulkton, S. D.  
B.A. (Yankton College)
- Donald Robert Whitley, Hays, N. C.  
B.S. (North Carolina State University)  
M.A. (Appalachian State University)
- George Thomas Williams, Canton  
B.S.
- Charles Lawrence Wilson, Huron  
B.A. (Ohio Wesleyan University)
- Reynaldo Bennett Wilson,  
Los Angeles, Calif.  
B.S. (University of San Francisco)
- Gary Witkosky, Woodland Hills, Calif.  
B.A. (California State University)
- Gregory A. Wnek, Tiltonsville  
B.S. (Ohio University)
- Suna Elizabeth Woods, Chillicothe  
B.S.

### Certificate of Graduate Dental Hygienist

- Julie Ann Ackerman, Marion  
Mollie Marie Ahern, Akron  
Christine Annette Allen, Canton  
Eileen Landwey Andow, Mentor  
Brenda Ann Arth, Bay Village  
Robin Sue Askey, Cincinnati  
Kathryne Musseau Beasley, Uniontown  
Gay Lee Benander, Steubenville  
Cheryl Ann Burnett, Springboro  
Denise Elizabeth Butz, Kettering  
Cindy Murrell Channell, Mechanicsburg  
Carol Ann Cheney, Columbus  
Kimberly Ann Christensen, Columbus  
Carla Joanne Coberly, Akron  
Mary Ann Coen, Massillon  
Rita Marie Craycroft, Ravenna  
Cathy Ann Curtis, Fairfield  
Beverly Alice Dean, Grafton  
Loren Kay DeMoss, St. Louis, Mo.  
Maureen Annette De Ran, Tiffin  
Jennifer Mara DiSabato, Columbus  
Anne Nell Donoho, Wooster  
Janice Duncan Bourke, Columbus  
Jamie Ann Elson, Cincinnati  
Connie Jean Emrock, Lorain  
Christine Holton Farrell, Westerville  
LuAnne Marie Finneran, Sandusky  
Tamara Kaye Freisner, Springfield, Pa.  
Karen Ann Galuzzi, Columbus  
Cindy Lee Galada, Brecksville  
Chana Leah Gandal, Cleveland  
Lynn Diane Graham, Bellbrook  
Deborah Lynn Graves, Columbus  
Jeannette Marvina Hancock, Worthington  
Cynthia Lea Hauenstein, Galion  
Jayne Frances Johnson, Columbus  
Jean Susan Kaplan, Akron

Libbey Ann Keidel, Richmond Heights  
 Brenda Marchington Keller, Delaware  
 Gale Ann Kelley, Parma Heights  
 Rebecca Corrin Kish, Marion  
 Linda Kay Knapp, Mansfield  
 Karen Gable Kuzmishin, Akron  
 Linda Kay Lammers, Leipsic  
 Tamera Rae Linke, Warren  
 Mary Patricia McCartney, Maumee  
 Nancy Lynn McCrackin, Marietta  
 Holly Anne Merker, Zanesville  
 Susan Jean Mestrovic, Tallmadge  
 Peggy Lynn Miller, Worthington  
 Tina Marie Mollica, Niles  
 Simone Moss, Cleveland  
 Eileen Elizabeth Murray, Lorain  
 Susan Eileen Pfrman, Hamilton  
 Susan Hope Pommert, Washington C. H.  
 Donna Lee Potokar, Richmond Heights  
 Joy Ann Purkiser, West Chester  
 Kimberly Dee Reber, Medina  
 Nancy Lee Robinson, West Lafayette  
 Diana Gaye Roy, Wapakoneta  
 Susan Marie Rysavy, Columbus  
 Betsy Ann Schnell, Gahanna  
 MaryBeth Schutte, Cincinnati  
 Connie Sue Shocksnyder, North Canton  
 Lori Lynn Sowash, Mansfield  
 Pauline Stein Flesher, Youngstown  
 Nancy Jo Stewart, Worthington  
 Sheila Jo Szabo, Canton  
 Mary Ellen Thompson, Canton  
 Mary Frances Tornes, Columbus  
 Donna Marie Velardi, Westport, Conn.  
 Gayle Ann Volz, Mansfield  
 Victoria Hildegard vonPabst, Lebanon  
 Kimberly Enola Ware, Columbus  
 Wendy Jane Wickliff, Columbus  
 Freida Joy Yedid, Beachwood

Karen Marie Beining, Delphos  
 Sidonia Breen Bernard, Columbus  
 Lee Anne Bertsch, Worthington  
 Elizabeth Ann Blackburn, Milan  
 Rowena K. Blevins, Columbus  
 Karen Lynn Blozis, Columbus  
 Arthur Alfred Bocher, Columbiana  
 Tanja Kay Boytar, Chardon  
 Michael Herbert Bradley, Cleveland  
 Patricia Ann Brand, Heath  
 Leigh Emerson Briggs, Powell  
 Susan Rouse Briscoe, Columbus  
 Margaret Teresa Brosnan, Columbus  
 Ronda Jean Brown, Delaware  
 Jon Matthew Browning, Columbus  
 Debra Kay Bruner, Mt. Gilead  
 Laurie Jean Brunton, South Euclid  
 Richard Vincent Burke, Bridgeport  
 Judith Dickson Burt, Marion  
 Donald Eugene Bush, Zanesville  
 Lori Jean Butch, Warren  
 James Truby Callahan, Solon  
 Douglas Charles Calland, Columbus  
 Barbara Krouse Camboni, Columbus  
 Virginia Jane Cardwell, Columbus  
 Robert Scott Carter, Gahanna  
 Ann Eileen Casper, Harrod  
 Karen Denise Chalmers,  
 Huntington, W. Va.  
 Vicki Kay Chambers, Belpre  
 Cathryn Carla Champa, Worthington  
 Megan Ruth Chapman, Galion  
 Joanne M. Charnigo, Parma Heights  
 Laura Lorraine Chrisman, Maumee  
 Sue Ellen Christian, Granville  
 Elizabeth Wyn Clark, Worthington  
 Carolyn N. Cole, Ada  
 Janet Ruth Coleman, Columbus  
 Janice Lynn Coleman, Columbus  
 Daniel Barry Collins, Bellevue  
 Joyce Marie Connors, Brooklyn  
 Stephen Taylor Correia, Columbus  
 Karen Washington Covington, Columbus  
 Kimberly V. Cox, Laurelville  
 Stacy Lou Poole Cox, Reynoldsburg  
 Sandra Frakes Crome, Dublin  
 Timothy Jay Crouse, Salem  
 Michael Roy Crowe, Dublin  
 Theresa Marie Cummings, Columbus  
 Amy Louise Cunningham, Cuyahoga Falls  
 Linda Elaine Cunningham,  
 Canal Winchester  
 Sharon Linda Curtia, Beachwood  
 Kathryn Frances Darling, Columbus  
 Gary Lee Davis, Columbus  
 Michael Kevin Davis, Peachtree City, Ga.  
 Peggy Eileen Dean, Columbus  
 Scott Edwin Decatur, Columbus  
 Judith DelFrate, Worthington  
 Wendy Sue DeInostro, Columbus  
 Donald Robert DeMarco II, Conneaut  
 Cheryl Lynn Dent, Columbus  
 Dwight Dennis Dewese, Kenton  
 Carolyn Marie Dorian, Hilliard  
 Carol Sue Draper, Delphi, Ind.  
 Lynette Marie Drumm, Westerville  
 Brenda Ellen Duff, Newark  
 Emily Dumipac, Bowling Green  
 Maria Beth Eberhardt, Shiloh  
 Marilyn Sifferlin Eberhart, West Jefferson  
 Reginald Echols, Chardon  
 James Ellinghausen, Plymouth, Mich.  
 Barbara J. Davis Elliott, Dayton  
 Brenda Kay Elliott, Columbus  
 Chantal Fagerberg, Columbus  
 Beverly Michele Fatig, Galena  
 Carol Saltmarsh Feole, Columbus  
 Debra Ann Feverston, Centerville

Terri Lynn Firestone, Lyndhurst  
 Lai Ning Foo, Kuala, Lumpur, Malaysia  
 Tina Marie Forsythe, Westerville  
 Melanie Lynn Fowler, Columbus  
 Tamara Lynn Francis, Gahanna  
 Charles L. Freeman, Kettering  
 Marcia Kay Fritts, Springfield  
 Jane Kelly Fruth, Attica  
 Catherine Joanne Gaborcik, Delaware  
 Linda Sue Gaietto, Tiffin  
 Kim G. Gaiton, Columbus  
 Gregory Lee Gallagher, Columbus  
 Patricia Ann Gallousis, Cortland  
 Belinda Jo Gann, Ironton  
 Patricia Ann Gardner, Uhrichsville  
 Janet Lynne Gearty, Brentwood, N. Y.  
 Janice Kay Geho, Worthington  
 William Monroe Gent, Green Springs  
 Jane Leslie Gentil, Jackson  
 Claudia Marie Giamati, Rocky River  
 Josephine Ann Giuliani, Columbus  
 Betty Sue Goldon, Bexley  
 Matthew Alan Goodall, Dayton  
 Laura Jean Whittaker Gordon, Worthington  
 Judy Grant Gragg, Grove City  
 Laurie Beth Green, Columbus  
 Bart H. Greene, Nashua, N. H.  
 Cathy Jean Grimes, Coldwater, Mich.  
 Susan J. Grindstaff, Mt. Vernon  
 Diane LeClare Grotjohn, Indianapolis, Ind.  
 Rebecca Lea Guiher, Cincinnati  
 Tina Marie Guilfoyle, Cincinnati  
 Timothy John Hager, Dayton  
 Barbara Jo Hales, Salem  
 Barbara Louise Hallgren, Mount Joy, Pa.  
 Jane Ella Harkness, Columbus  
 Heidi Sue Harmon, Columbus  
 Marion Eyer Harmount, Akron  
 Diane Sue Hartsok, Columbus  
 Jo Carol Hawkes, Williamsport  
 Stephen James Hawkins, Wooster  
 Dale Ann Hedrick, Columbus  
 Ralph Edward Hedrick, Amanda  
 Pamela Beth Heidorf, Rocky River  
 Kathryn Hack Hein, Columbus  
 Kathleen Held, Columbus  
 Tamara Janel Hemsworth, Gallipolis  
 Roxanna Faith Hendricks, Newark  
 Susan Elizabeth Herrmann, North Olmsted  
 Barbara Jeanne Hess, Oberlin  
 Rsegene Elizabeth Hiebel, Pickerington  
 Mary Ellen Hilgert, Lima  
 Beth Anne Hobensack, Cuyahoga Falls  
 Elizabeth Morrilee Holzapfel, Logan  
 Robert Michael Huber, Cincinnati  
 Terri Lynn Hughes, Ironton  
 Karen Mary Humphreys, Athens, Ga.  
 Wendy Ellen Hunt, North Royalton  
 Jeffrey Clark Idleman, Hartwell, Ga.  
 Joan Louise Irwin, Columbus  
 Grace Isakovici, University Heights  
 Debra Leedy James, Gallipolis  
 Maria Joanne Jettett, Columbus  
 Gina Lee Johnson, Springfield  
 Kathryn Helen Johnson, Prospect  
 Oric Richard Johnson, Santa Maria, Calif.  
 Kelleigh Melissa Jones, Akron  
 Rose Edna Jones, Cincinnati  
 LaVerne Maria Joshua, Columbus  
 Julie Michelle Jundt, St. Louis, Mo.  
 Katherine Mary Kaczmarek, Fairview Park  
 Sharon Elaine Kah, Wapakoneta  
 David Phillip Stern Kaplan, Steubenville  
 Donna Jean Karl, Tiro  
 Melinda Joy Katz, Akron  
 Michael William Keener, Columbus  
 John E. Kemper, Columbus  
 Theresa Anne Kempher, Minster  
 Nancy Ann Kerber, Columbus

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Suzanne Adams, Newark  
 Arumugam Agathiappan,  
 Kuala Lumpur, Malaysia  
 William Hunter Ague, Girard  
 Donna Marie Albanese, Groveport  
 Jacqueline Diane Alder, London  
 Linda Jividen Allberry, Prospect  
 Cheryl Ann Aman, North Canton  
 Alanna Lee Ames, Louisville  
 Susan Kay Andaloro, North Canton  
 Katherine L. Anderson, Delaware  
 Betsy Ann Ankrum, Circleville  
 Letitia Marie Armbruster, Waverly  
 Paul F. Aubin, West Babylon, N. Y.  
 Bonnie L. Auletta, Cleveland  
 Melanie Ruth Austin, Milan  
 Sherri Lynne Bair, Belle Center  
 Barbara Baldwin, Galena  
 Constance Frye Ball, Plain City  
 Patrick Joseph Balster, Kettering  
 Helen M. Barkhurst, Columbus  
 Timothy Francis Barton, Columbus  
 Karen Sue Basinger, Columbus Grove  
 Nancy C. Beattie, Powell  
 Donald Beaty, Hamilton  
 Paula Kay Beaty, Kettering  
 Vicki Ann Beeson, New Washington

Laurie Ellen Kerr, Bloomington  
 Kim Marie Kiely, Ransomville, N. Y.  
 Sharon Kay Kincade, Edison  
 Carolyn Jean Kirby, Westerville  
 Dennis Dean Klingler, Pandora  
 Michael Charles Klock, Wapakoneta  
 Anne Marie Knoble, Amherst  
 Sarah Jean Knott, Columbus Grove  
 Julie Antoinette Knox, Columbus  
 Michele Smolewski Kose, Pickerington  
 Michael Frederick Koval, Cortland, N. Y.  
 Judith Anne Krohn, Zanesville  
 Linda Catherine Kuhn, Rockbridge  
 Cathy Jo Kuzma, Toledo  
 Ruth Ann Lane, Columbus  
 Nancy Ann Leach, Granville  
 Mary Jane Leo, Shaker Heights  
 Celeste Lynn Lindamood, New Lexington  
 Elizabeth Susan Lindsley, Rocky River  
 Robert D. Littrell, Columbus  
 Nancy Jean Long, Chillicothe  
 Rhoda Gail Long, Columbus  
 Kevin John Loy, Bucyrus  
 Teresa Young Lozanoff, Marion  
 Ingrid Lieselotte Lukas, Columbus  
 Mitchell Dean Luman, Fremont  
 Donna Maria Lynds, Mt. Vernon  
 Cindy Lou Magee, Columbus  
 Linda Sue Lechner Mahan, Columbus  
 Robert Wayne Manchester, Newark  
 Dianne Marlene Martin, Genoa  
 Shannon Jaye Martin, Waverly  
 Teresa Joy Mason, Marengo  
 Mary Jill Massarelli, Poland  
 Jodene Rae Maxwell, Fredericktown  
 Tracy Lynn McCallister, Toledo  
 Joan Elizabeth McConnell, Coshocton  
 Dara Lynn McCualsky, Columbus  
 Sharon Ann McDermott, Bysville  
 Marc Alan McGee, Reynoldsburg  
 Patricia Jean McGee, Lancaster  
 Carolyn Martin McPherson,  
 Upper Sandusky  
 Natalie Jane Michael, Delphos  
 John Wayne Michel, Columbus  
 Rocky Lynn Miller, Mt. Vernon  
 Sallie Jane Miller, Columbus  
 Karen Jo Mitchell, Rushsylvania  
 Beverly J. Montrella, Upper Arlington  
 Richlynn Ann Moore, Sidney  
 Roseann Moore, Columbus  
 Lynn Ann Morgan, Lorain  
 Shannon Douglas Morris, Marion  
 Kelly Lee Motes, Chillicothe  
 Cynthia Ann Mumma, Ashtabula  
 Karin E. Munding, Toronto, Canada  
 Dianne Jean Muntzinger, Convoy  
 Susan Bischoff Murphy, Columbus  
 Joseph Edwin Nelson, Columbus  
 Sandra Jean Noll, Zanesville  
 Eric Gerald Oldenburg, Mentor  
 Jane Olaszek, Hartsville  
 Michael Edgar O'Neill, Lima  
 David Owen Palmer, Columbus  
 Carol Ann Patzwahl, North Olmsted  
 James Tracy Peterfish, Columbus  
 Kathy Lynne Peters, Bath  
 Jon David Phillips, Sidney  
 Monica Ann Plunkett, Youngstown  
 Cathy Anne Poindexter, St. Clairsville  
 Barbara Ann Pontius, North Canton  
 Deborah L. Poole, Waverly  
 Tamara Kay Pope, Washington C. H.  
 Joellen Popma, Toledo  
 Barry Allan Pratt, Columbus  
 Molly Jo Preston, Newark  
 Sharon Ann Price, Oregon  
 Susan Janne Radcliff, Columbus

Carl Alan Reed, Cleveland Heights  
 J. Stephen Reese, Columbus  
 Barbara Leigh Rhoads, Columbus  
 Robin Gale Richardson, Spencerville  
 Joan Leslie Rigali-Rankin, Lima  
 Kimberly Jo Riley, Chillicothe  
 Robin L. Ring, Lima  
 Donna Jean Rizzo, Garfield Heights  
 Ann Elizabeth Roberts, Heath  
 Mark David Robinson, Tipp City  
 Thomas Gerald Rounds, Brunawick  
 Cheryl Debra Rubin, Lyndhurst  
 Kimberly Anne Rudisill, Columbus  
 Tim Sabransky, Chardon  
 Patricia Ann Scardina, Lancaster  
 W. William Schmidt, Mansfield  
 Janis Burriss Schreiber, Marysville  
 Deborah Sue Schulman, Beachwood  
 Nancy Lee Secilliot, Columbus  
 Deborah Bate Segall, Columbus  
 Sheryl Ann Serwis, Delaware  
 Janien Naomi Severance, Columbus  
 Charles Alan Shearrow, Worthington  
 Deborah A. Brown Sheridan, Grove City  
 Douglas Lyn Shoemaker, Columbus  
 Vickie Renner Shoemaker, Pandora  
 Debra Ann Shreffler, Gibsonburg  
 Ka Ngan Sia, Kuala, Lumpur, Malaysia  
 Donna L. Silber, Mt. Prospect, Ill.  
 Pamela Drone Simms, Columbus  
 Joseph Paul Sindelar, Horseheads, N. Y.  
 Kim J. Sinkhorn, Kettering  
 Janet Sue Skinner, Logan  
 Jennifer Lynn Slater, Jeromesville  
 Connie Sue Slob, Marion  
 Deanne Lynn Smalley, Leesburg  
 Fred Daniel Smith, Springfield  
 Tamar Naomi Sorin, University Heights  
 Ronda Rae Spencer, Roswell, Ga.  
 Nola Lisa Sperry, Bowling Green  
 Deborah Beard Stehle, Dublin  
 Robert Joseph Stephen, Georgetown  
 Christine Marie Stephens, Columbus  
 Deborah Esther Stern, Beachwood  
 Susan Marie Stockdale, Lakewood  
 Jill Anne Stonecipher, Bridgeville, Pa.  
 Douglas William Strain, New Carlisle  
 Donna Marie Striley, Centerville  
 Carrie Lynn Stroschin, Gahanna  
 Stephen Carl Sturgeon, Harpster  
 Kimberly Kay Stygler, Columbus  
 Ruth Ann Coffman Sullivan, Newark  
 Brian Gerald Supplee, Columbus  
 Gloria Belinda Sutton, St. Mary's  
 Lana Jean Swartz, Columbus  
 Randal Lee Swisher, Beaverdam  
 Lu Ann Swoyer, Pickerington  
 Laurie Ellen Tanner, Valley Stream, N. Y.  
 Diane Marie Taylor, Columbus  
 Lee Lynn Thomas, Alliance  
 Lee Lynn Thomas, Marion  
 Melinda Hurst Thomas, Ashland  
 Michael James Thomas, Worthington  
 Carmen Melita Thompson, Columbiana  
 Timothy Michael Tulley, Kirtland  
 Don William Turner, Kettering  
 Helen Katherine Turner, Hubbard  
 Linda Marie Uhle, University Heights  
 Jan Louise Ulrey, Dublin  
 Linda Ann Umstatter, Columbus  
 JoanMarie Barris K. Vanaski, Columbus  
 Carol Ann Vander Horst, Celina  
 Roxanne Marie Vaughn, Pekin, Ill.  
 Roger Joseph vander Embse, Kalida  
 Rinda Jo Wagner, Wapakoneta  
 Kathleen M. Wald, Euclid  
 Lisa Marie Wallace, Toledo  
 Lisa Yellen Watson, Mansfield

Deborah L. Weber, Grove City  
 Barbara Ann Weese, Upper Arlington  
 Ellen Debra Weiss, Elyria  
 Robbin Rashell Wellman, Urbana  
 Leslie Renee Wemyss, Mansfield  
 Diane Theresa Wenning, Coldwater  
 Connie J. Wesie, Massillon  
 Cheryl Anne White, Lima  
 Michele Ann White, Lima  
 Andrew Joseph Whitman, Worthington  
 B.A. (Ohio University)  
 Katherine Anne Wiegand, Euclid  
 John Oliver Wiemero, Fairport Harbor  
 Christopher Paul Williams, Waterville  
 Rhonda Conroy Williams, Marion  
 Wendy Jean Willis, Tipp City  
 Cynthia Ann Wilson, Grove City  
 Janet Kay Wilson, Columbus  
 Scott A. Wilson, Monroe, Mich.  
 C. B.A. (Park College)  
 Robert Dwayne Windland, Pleasant City  
 Cynthia Kay Woods, Brewster  
 Carol Lynn Workman, Canton  
 Dawn Amelia Wray, Columbus  
 Donald Thomas Wurth, Columbus Grove  
 Elizabeth Louise Young, Worthington  
 Judith Lynn Youngblood, Lyndhurst  
 Martin Andrew Zender, New Riegel

**Bachelor of Art Education and  
 Bachelor of Music Education  
 degrees are offered jointly by the  
 College of the Arts and the  
 College of Education.  
 Candidates are listed under  
 College of the Arts.**

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Donald Thompson Baggs, Jr., Worthington  
 Donald Joseph Butz, Caledonia  
 Richard Fabian Catalano, Lorain  
 Dean LeRoy Davis, Columbus  
 Thomas Dwight Fox, Dayton  
 John Phillip Good, Claymont, Del.  
 Mark Franklin Gyure, Marion  
 William Michael Halsey, Oakbrook, Ill.  
 Michael Scott Hincley, Cleveland  
 Mohammad-Ali Jamnia, Tehran, Iran  
 Terry Brad Johnson, Warren  
 Jonathan Kern, Kutztown, Pa.  
 Richard Michael Kotarba, Columbus  
 David Robert Kuechenmeister, Columbus  
 Michael Steven Lavelle, Roslyn, Pa.  
 Abraham Jay Levatter, Columbus  
 Malcolm Kenneth MacLean, Columbus  
 William John Moorefield, Columbus  
 Alan Jerome Mortensen, West Chester  
 Mark Alan Rodu, Columbus  
 Gary Allen Ruff, Oak Harbor  
 Thomas Wayne Rullman, Shelby  
 Henricus Engenio Selder, Pickerington  
 Timothy Leo Sheaf, Columbus  
 James Brian Shilling, Columbus  
 Michael Martin Swick, Cleveland  
 Raymond Joseph Trouve, Jr., Marie, Mich.

## **Bachelor of Science in Agricultural Engineering**

Philip Scott Beathard, London  
Ernest Patrick Caputo, Euclid  
James Alan Ehret, Richwood  
Mark David Evans, Hicksville  
Douglas Alan Foulkes, Columbus Grove  
David Charles Hesseling, Delphos  
Thomas William Hopper, Delaware  
Kenneth Eric Kolb, Wellington  
Jonathan Burton Lee, St. Louis, Mo.  
Janet Elaine Reilly, Norwalk  
Jerome John Roell, Harrison  
Scott Allan Shearer, Tipp City  
Christopher Duane Stemm, Zanesville  
Douglas Alan Vandervoort, Richfield  
Steven Michael Wilson, Lancaster

## **Bachelor of Science in Ceramic Engineering**

John Francis Bonistall, Zanesville  
Cynthia Lynn Conner, Woodfield  
Thomas McFarland Findlan, Northfield  
James Charles Fox II, Dover  
Robert Steve Fronk, Columbus  
Curtis Gale Frost, Wooster  
Carla Ann Hamernik, Perrysburg  
Mark David Hargis, Columbus  
Bradley Wendt Kibbel, Youngstown  
James Douglas Kiser, Columbus  
Marc Brian Kuttler, Zanesville  
Andy Ivan McLaughlin, Blue Rock  
Jeffrey Lyn Miller, Westerville  
William John Moore, Chagrin Falls  
Melinda Jane Roach, Sidney  
Michael Harold Roach, Sidney  
Jeffrey Wayne Smith, Logan  
Gary Curtis Troyer, Shreve  
Randall Douglas Watkins,  
Lake Dallas, Tex.

## **Bachelor of Science in Chemical Engineering**

Kimberly Ann Arnold, Marietta  
Jerri Lynn Banker, Cincinnati  
Mark Robert Beny, Parma  
Carl Adrian Bixel, Worthington  
James Christopher Blubaugh, Kingston  
Donald Allan Chudanov, Mogadore  
Edward Wilson Claugus, Barnesville  
Roy Lee Comer, Jr., Columbus  
Nancy Carolyn Coultrip, Rocky River  
John Rutherford Cromb III, North Canton  
George Carl Dagnall, Westerville  
William John Dawson, Columbus  
Noreen Gail Detwiler, Mansfield  
Louise A. Eisen, Toledo  
Charles Eldon Engelhardt, Alger  
Mark Edward Frena, Findlay  
Ronald Avery Gibson, North Olmsted  
D. Roy Goldsberry, Wooster  
Michael Allen Groh, Atwater  
Mark Trevor Harmon, Euclid  
Daniel Richard Harriman, Cincinnati  
Bennie Eugene Hill II, Granville  
Warren Robert Hoffman, Ashville  
Larry Leon Holt, Lima  
Thomas E. Hornish, Oakwood  
Nancy Jane Hummel, Worthington  
Robert Edward Jackson, Galion

James Glenn Lawrence, Dalton  
Douglas Vernon Lenz, Curtice  
Thomas Peter Mark, Melville, N. Y.  
Gregory Nelson McDaniel, Alger  
Anthony James Nadratowski, Chagrin Falls  
William E. Naseman, Botkins  
Juana Mercedes Ortega,  
Maracay Edo Aragua, Venezuela  
Michael Joseph Politz, Columbus  
Lewis Michael Popplewell, Wintersville  
William Joseph Richards, Mentor  
Edward Joseph Riestenberg, Cincinnati  
Raymond Joseph Rolley, Jr., Wellsville  
Bruce Martin Spacer, Lima  
Licia Spina, Chesterland  
Anthony Robert Suever, Delphos  
Jeffrey Joseph Tokarsky, Solon  
Harry Charles Wolf, Jr., Amherst

## **Civil Engineer**

Ilkay Inanoz, Sirkeci, Istanbul

## **Bachelor of Science in Civil Engineering**

Amer Ahmad, Lahore, Pakistan  
George Stephen Billisits, Gahanna  
Alan Scott Burnett, Cortland  
Thomas Joseph Caito, Jr., Columbus  
William Louis Chlebowy, Buffalo, N. Y.  
Gregg Mark Clingerman, Columbus  
Kenneth Harold Davis, St. Henry  
Michael Duff Dixon, Reynoldsburg  
Timothy Alan Douglass, Mentor  
John Edgar Fonner,  
New Martinsville, W. Va.  
Robert Charles Gorman, Binghamton, N. Y.  
Allan Michael Guest, Kettering  
Paul F. Hammond, Jr., Columbus  
James Lee Hampshire, Findlay  
Jeffrey Jack Harris, Willoughby  
Gary Lee Harsanye, Youngstown  
Syed Muzammil Hasanain,  
Lohore, Pakistan  
Robert David Henderson, Parma  
Mark Anthony Hylton, Maineville  
John Jennings Johnston, Coshocton  
Mark Allen Katona, Painesville  
Denise Louise Kunz, Maumee  
Mark Wheller Law, Zanesville  
Robert William Lawless, Grove City  
Gary Robert Long, Columbus  
David Jonathan Mark, Worthington  
Michael James Martin, Lima  
Kurt M. Merdick, Youngstown  
Scott M. Miller, Bedford  
Mehdi Moazzami, Yusefabad, Tehran, Iran  
Daniel Joseph Nettle, Columbus  
Karen Joanne Paoletti, Columbus  
Charlene Rose Palmer, Columbus  
Allen David Robinson, Columbus  
Rees Ann Robinson, Akron  
Thomas Allen Schneider, Worthington  
William Dean Sergakis, Pickerington  
Thomas Brian Skinner, Columbus Grove  
James William Smith, Springfield  
Jeffrey David Strohinger, Kettering  
Muhammad Tahir, Rawalpindi, Pakistan  
Sabir Umerani, Columbus

Edward Joseph Von Hagel, Madeira  
John David Wiles, Painesville  
John Yashan, Jr., Amherst

## **Bachelor of Science in Computer and Information Science**

Ralph Martin Behner, Marion  
Genita Kay Bettiker, Wadsworth  
James Edward Bouyack, Clyde  
Kevin Lee Bowling, Heath  
Christopher Allen Harris, Toledo  
Jeanette Lynn Jacobs,  
Mt. Vernon, Va.  
David Leroy Johns, Hicksville  
Terrance Owen Johnson, Reynoldsburg  
Michael Charles Kirner, Sandusky  
William Arvid Kramer, Youngstown  
John Lowe Linden, Columbus  
Bryan Michael Monaghan, Dayton  
Scott Michael Morton, Waldo  
Lawrence Edward Phelps, Cambridge  
Bruce Henry Ratcliff, Chillicothe  
Bret Phillips Smith, New York  
Dale Edward Stills, Lakewood  
Michael Anthony Williams, Cleveland  
Daniel Jordan Yocom, Columbus  
Darrell Franklin Yocom, Columbus

## **Electrical Engineer**

John Alfred Reed Spooner, Cincinnati  
Gerald Robert Vlasak, Columbus

## **Bachelor of Science in Electrical Engineering**

John Douglas Armstrong, Barberton  
Ronald Drue Baney, Columbus  
Shirley Marie Belknap, Columbus  
Stephen Joseph Bielewicz, Fairlawn  
Robert Scott Bindley, Marion  
Luis Guillermo Boggiano,  
Caracas, Venezuela  
Bill A. Boudouris, Sylvania  
Scott Peter Bradley, Solon  
Thomas Dean Breithaupt, Marion  
Joseph Mark Briggs, Westerville  
Richard Anthony Burge, Columbus  
Robert Nicholas Captor, Smithfield  
David Alan Chaboty, Dayton  
Roger Alan Chorbz, Columbus  
Michael Warren Cochrane, Elyria  
Brian Broughton Conley, Berea  
William Alexander Copich, Youngstown  
John Henry Cramer, Jr., Marietta  
David William Deacon, Piketon  
Richard Paul Diener, Mansfield  
Ralph Lee Edwards II, Columbus  
Todd Christian Engen, Sylvania  
Wayne Edward Evans, Lancaster  
Mark Edward Fey, Tiffin  
James Allan Fisher, Englewood  
David Moore Fisk, Cincinnati  
Jeffrey Jon Fox, Newark  
Walter Edward Frankiewicz, Elyria  
James Alan Gault, Grafton  
James Leonard Greene, Canton  
Louis John Gulyas, Westerville  
Brett Peter Gundlach, Washington C. H.  
Michael Thomas Guthrie, Vinton  
Kenneth Joseph Harrah, Sylvania

Francis M. Haupt, Worthington  
 Jeffrey William Hegemier, New Knoxville  
 Ward Edwin Heinke, Bay Village  
 Gregory Thomas Holden, Urbana  
 George Chia Yin Hsieh,  
 Kowloon, Hong Kong  
 Robert Eugene Hull, Columbus  
 James Walter Iseli, Columbus  
 William Randall Jacobs, Upper Arlington  
 Jeffrey Laurence Jefferson, Columbus  
 Ed Wing Kui Kan, Columbus  
 Kevin Lee Kizer, Marion  
 Richard Edward Leonard, Beavercreek  
 Daniel Edward Lewis, Columbus  
 Mark Timothy Maguire, Mansfield  
 Paul Joseph Marcolonis, South Amboy, N. J.  
 Charles William Marcq, Columbus  
 James Kenneth Martin, Galloway  
 David Charles Mealey, Fairview Park  
 Gregory Sather Moore, Bucyrus  
 John Edward Mueller, Jr., Fostoria  
 Robert Neill Newshutz, Gallipolis  
 Phiet The Nguyen, Columbus  
 Richard William Oehler, Jr., Woodsfield  
 Robert John Partya, Columbus  
 Michael William Pflueger, Lima  
 Manit Phongmekin, Columbus  
 Brett Albert Pigon, Amherst  
 Mark Alan Pilkington, Columbus  
 Richard Louis Ponziani, Kettering  
 Roy Edward Ratliff, Columbus  
 Albert Mark Rose, Columbus  
 William Edward Schleder, Columbus  
 Walter F. Schoonover, Jr., Gallipolis  
 Eugene Richard Schroeder, Columbus  
 Bruce Edward Shaneyfelt, Troy  
 Mark Richard Sheen, Salem  
 Patricia Lynn Sommer, Warren  
 Karl Staas, Lima  
 Joseph Francis Strong IV,  
 Flemington, N. J.  
 Michael G. Strung, Middleburg Heights  
 Sagar Vidyadhar Supanekar, Columbus  
 Robert David Turner, Powell  
 Edwin Lynn Utt, Columbus  
 Glen Edward Vaughn, Beavercreek  
 Randall Scott Whitacre, Beverly  
 Gary Robert Wires, Wooster  
 Douglas A. Yakubek, Perrysburg  
 Cynthia Janann Yammine, Findlay  
 Stephen John Yenney, Piqua  
 Rebecca Ruth Young, Columbus  
 Andrew Charles Zacharias,  
 Harleysville, Pa.  
 Jay Charles Zeek, Zanesville  
 Steven Zellner, Columbus

### Bachelor of Science in Engineering Physics

Steven Andrew Arndt, Middleburg Heights  
 Thomas Knight Kroc, Mason  
 Terry Blake Mitchell, Columbus  
 Michael Joseph Ries, Columbus  
 Paul Michael Ulmer, Richmond, Va.

### Industrial Engineer

Ronald Dainis Kursinskis, Columbus

### Bachelor of Science in Industrial and Systems Engineering

Melanie Sue Bare, Canfield  
 Marvin Gene Behm, Bloomville  
 Brett Anthony Christy, Circleville  
 Catherine Anita Corbel, Sandusky  
 Richard Kevin Devine, Columbus  
 Russell Jay Franz, Deshler  
 James Thompson Gambrel, Hicksville  
 Rick Michael Genter, Brecksville  
 Robert Gnesessio, Columbus  
 Therese Marie Goetz, Worthington  
 Greg Alan Kenney, Dayton  
 J. Jeffrey Kimmel, Marion  
 James Warren King, Columbus  
 Michael Joseph Knox, Gahanna  
 Donald James Laipple, St. Clairsville  
 John Wesley Legursky, Beckley, W. Va.  
 David William Leonard, Jr., Toledo  
 Joseph James Luebke, Worthington  
 John Vance Magee, Beavercreek  
 Robert Mager, Shadyside  
 Kyle Adam Maurer, Clayton  
 Steven Carl Morey, Dayton  
 Kurt Karl Redman, Xenia  
 Richard Paul Romine, Medway  
 Matthew Louis Root, Ashtabula  
 Lanny Charles Rosenbaum, Xenia  
 Paul Gregory Sherry, Bellaire  
 Eric William Steensen, Newark  
 Heow Meng Tan, Columbus  
 Steven Allen Warnke, Toledo  
 David William Weber, Ironton  
 James Brian Wolfe, Sandusky  
 Christopher Alan Young, Columbus

### Bachelor of Science in Mechanical Engineering

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 Michael Thomas Adams, Montoe  
 Roger Guy Bangs, Worthington  
 David Alfred Bryant, Jr., Columbus  
 Scott Alan Campbell, Brecksville  
 Jeffrey Carpenter, Elyria  
 David Byron Case, New Philadelphia  
 Jacqueline H. Chen, Athens  
 Bruce Thomas Choate, West Chester  
 Wendell Lee Colburn, Columbus  
 Jamie Patricia Connor, Canton  
 George Edward Cook, Cincinnati  
 Garry Joseph Cyr, Columbus  
 Steven Douglas Dinninger, Tiffin  
 Frank Everett Dipaolo, Columbus  
 Cathy West Dougherty, Portsmouth  
 Dana Jay Ellis, Columbus  
 Randall Robert Ernsthansen, Luckey  
 Jeffrey A. Ficke, Columbus  
 Gary A. Fitzmire, Springfield  
 Patrick Chester Gallagher, Sandusky  
 Joseph Stephen Green, Old Tappan  
 Thomas Alan Greetham, Lima  
 Diane Marie Hanlon, Berea  
 Thomas John Holliday, Lakewood  
 Brian Ernest Holloway, Akron  
 Jack Harvey Houchard, Columbus  
 Leslie Ann Huber, Bellefontaine  
 JoAnne Carla James, Akron  
 Richard Charles Jingle, Shadyside  
 Warren Charles Johnson, Middletown  
 John Faunce King, Columbus  
 John Paul King, Upper Arlington

Cevdet Gerald Koksai, Chagrin Falls  
 David John Kuhlmann, Westerville  
 James Edward Leister, Columbus  
 Scott Brian Ludwig, East Liverpool  
 Melissa Mahan, Grove City  
 Edward James Mantey, Cincinnati  
 Richard Lee Mazey, Johnstown  
 Kevin Weston McMaham, Greenville, S. C.  
 Richard Duane Michelhaugh, Reynoldsburg  
 Michael Paul Miller, Highland Heights  
 Steven Worthington Miller, Columbus  
 Diane Joyce Misko, Martins Ferry  
 Jeffrey Brent Mordas, Hudson  
 Steven John Mozes, Dayton  
 Jeffrey James Nieter, Lima  
 Rodney Layne Osborne, Jackson  
 Christian Carl Petersilge, Newark  
 Raymond Richard Pikus, Chesterland  
 Anthony Alan Previte, North Olmsted  
 Timothy Michael Ranch, West Chester  
 Thomas Arthur Raterman, Sidney  
 Louis Wayne Reynolds, Columbus  
 Louis Jeffrey Rigish, Columbus  
 Scott Howard Roof, Canton  
 Steven Michael Schodorf, Columbus  
 Albertus G. Selder, Columbus  
 Kurt Arthur Selke, Westerville  
 William Blair Shook, Bremen  
 Daniel Drew Smith, Cincinnati  
 Stephen Douglas Smith, Mentor  
 Jeffrey Tod Starling, Stockport  
 Aphimuk Taifayongvichit,  
 Bangkok, Thailand  
 Todd Alan Talbot, Lancaster  
 Kerry Glenn Trimble, North Lewisburg  
 Constantinos Tzemos, Columbus  
 Linda Kay Ullmann, Pittsburgh, Pa.  
 Donald Steven Wagner, Cincinnati  
 Robert Leo Wanemacher, Jr., Columbus  
 Donald Thomas Willke, Columbus  
 Raymond Earl Zeller, Reynoldsburg

### Bachelor of Science in Metallurgical Engineering

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 Michael J. Ashley, Mansfield  
 Scott Anthony Baker, Conneaut  
 Jeffrey L. Beatty, Meadville, Pa.  
 Susan Marie Beery, Columbus  
 Karl Richard Bletzacker, Columbus  
 Patricia Gale Breig, Dayton  
 Robert Allen Bullock, Brook Park  
 Michael Christopher Ceh, Amherst  
 Barbara Jean Cumiskey, Worthington  
 Thomas Kevin Dailey, Springfield  
 Steven Everette Gray, Lowell  
 Jeffrey George Kinder, Columbus  
 Marcia Adele Klimkewicz, Garfield Heights  
 Robert Anthony Krivanek, Mayfield Village  
 Christopher Allen Long, Worthington  
 Steven Lewis McGinnis, Tipp City  
 David Benjamin Phillips, Toronto  
 Erik Scott Powell, Worthington  
 Mary Rita Thomas, Columbus  
 Mark Edward Watkins, Marion  
 Patricia Ann Worrell, Middletown

### Bachelor of Science in Mining Engineering

Rahim Ghorbanzadeh Haghighi, Columbus

## Bachelor of Science in Surveying

David Wayne Goodrich, Columbus  
James Lee Hampshire, Findlay  
Robert David Henderson, Parma  
John Jennings Johnson, Coshocton  
Thomas Brian Skinner, Columbus Grove  
Michael Allen Straub, Columbus

## Bachelor of Science in Welding Engineering

Robert Allen Anderson, Alexandria  
Robert Mark Baird, Troy  
Jonathan Howes Baxter, Hyannis, Mass.  
Lawrence Evans Brown, Columbus  
William A. Bruce, Grove City  
Michael Lester Foss, Marion  
Frederick John Gentry, New Iberia, La.  
Ronald Joseph Guerra, Sandusky  
Lawrence Bruce Hall, Columbus  
Eric Kenneth Johnson, Morgantown, W. Va.  
Richard Joseph Lutz, Evansville, Ind.  
Paul Joseph Macuiba, Waukegan, Ill.  
Jeffrey Allen Manzi, Alliance  
Joseph James Mascolino, Steubenville  
John David Mathews, Wellston  
Keith Eugene Mengel, New Albany  
Blaine David Metzger, Findlay  
Christopher Michael Neary, Cincinnati  
David Francis Powell, Thornville  
William Thornton Randolph, Western Springs, Ill.  
Dale Scott Rasche, Columbus  
Roderick Jason Renwick, Columbus  
Gregory Michael Rodgers, Columbus  
Mark James Simon, Canoga Park, Calif.  
Frederick Alan Smith, West Alexandria  
Elizabeth Ann Thompson, Columbus  
Stanley Charles Tripp, Columbus

## School of Architecture

### Bachelor of Science in Architecture

Bradford Lee Angelini, Barrington, R. I.  
Dana Blumenfeld, Ramat-Gan, Israel  
Susan Maria Budinsky, Cincinnati  
Jerry Leigh Bunge, Columbus  
Ronald Canini, Whitehall  
Thomas Eugene Carter, Fredericktown  
Shih-Hong Chen, Columbus  
Janis Robert Circenis, Indianapolis, Ind.  
Charlotte Rae Dewald, Columbus  
Gus Andrew Elopoulos, Columbus  
Mark Philip Ford, Mansfield  
Vahid Ghobadian, Tehran, Iran  
William Thomas Griffin, Lexington, Ky.  
Donald Wayne Hange, Elyria  
Mordechai Ilan, Givat Schmuul, Israel  
Dong Chul Kim, Sylvania  
Peter Claus Kolb, Kettering  
Donald John Leonard, Worthington  
James Jeffrey LeRose, Columbus  
Paraskevi Christos Liapis, Athens, Greece  
Edward Trent Luebben, Youngstown  
Theresa Maria Luthman, Columbus  
Patrick William Manley, Columbus  
Michael Lee Maxfield, Mason  
Kevin John Miller, Monroeville  
Richard Louis Nietzsche, Marengo  
Arturo Gabriel Palombo, Rockaway  
Thomas Gregory Pendery, Columbus  
Jeffrey Alvin Pierce, Columbus  
Lee Jay Rumora, Ashtabula

Paul Siemborski, Garfield Heights  
Charlotte Barber Sounik, Columbus  
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Kyle Anthony St. Peter, Solon  
David Roger Swanlund, Worthington  
George Frederick Turner, Livingston, N. J.  
Ronald Karl Wiendl, Tonawanda, N. Y.  
Theodore John Williamson, Warren  
Alan Tzecheung Wong, Columbus

## Bachelor of Science in Landscape Architecture

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Joyce Marie Brenwald, Geneva  
Susan Williamson Burkhart, Columbus  
Jennifer Gay Clark, Dayton  
Anthony Joseph Colini, Chesterland  
Kathleen Marie Colton, Gahanna  
Karla Marie Hedman Conrad, Columbus  
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Kimberly Sue Fiocca, Akron  
David Edgar Giddens, Maumee  
Laura Lee Hallett, Sylvania  
Timothy Jon Halsey, Toledo  
Joyce Ellen Harsh, Delaware  
Heidi Jane Haserodt, Novelty  
Kent Alan Herremann, Newark  
Thomas William Hlavin, Shaker Heights  
Susanna Ruth Jacobs, Hilliard  
Craig Scott Johnson, Vandalia  
Timothy Paul Korosei, Kettering  
Wendy Jane Mahovic, Euclid  
James Lee Mansfield, West Unity  
Jeffrey Philip Morosky, Columbus  
Joseph John Plumpe, Delphos  
Timothy David Promen, Columbus  
Lawrence Anthony Renda, Steubenville  
Kathleen Rose Roberts, Middletown  
Thomas William Scanlon, Mississauga, Ontario  
Jeffrey Earl Schobert, Akron  
Laura Jean Scott, Columbus  
Brian Kent Sherman, Independence, Mo.  
Josef Blaine Skelton, Canfield  
Steven Dwight Staats, Columbus  
Walter Chad Stachecki, Water Mill, N. Y.  
Timothy Alan Stall, Willoughby  
Dale William Steigerwald, Columbus  
James Kite Stickley, Urbana  
Robert Jeffrey Stone, Lima  
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## College of Law

Dean: James E. Meeks

### Juris Doctor

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**Leonard Stuart Coleman, New York, N. Y.**  
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**Dener Dean Collins, Streetsboro**  
 B.S.C.E.

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**Stephen Eugene DeMarsh, Canton**  
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**Marc Douglas Dietz, Cincinnati**  
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**Frederick Walker Dressel, Wapakoneta**  
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**Jill Anita Driver, Lafayette**  
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**Susan Carole Durham, Albany, Ga.**  
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B.A. (Miami University)

Timothy Kevin Williams, Toledo  
B.B.A. (The University of Toledo)

Donna Lynn Wise, Cleveland  
B.A. (Miami University)

Susan C. Wittemeier,  
Lake Ronkonkoma, N. Y.  
B.B.A. (College of William and Mary)

Kay Woods, Lima  
B.S. (Bowling Green State University)

Michael Yaksic, Willowick  
B.A. (Kent State University)

Derk Young, Dayton  
B.A.

Steven James Zeehandelaar, Cincinnati  
B.A. (University of Cincinnati)

## College of Medicine

Acting Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

Frank James Adiatori, Cincinnati  
B.S. (University of Cincinnati)

Thomas E. Albani, Jr., Hubbard  
B.A. (West Virginia University)

Frank Joseph Albers, Cincinnati  
B.S. (University of Cincinnati)

Alan Isidor Angel, South Euclid  
B.A. (Case Western Reserve University)

Robert John Balchick, Youngstown  
B.S. (Ohio University)

Steven Lee Ballas, Zanesville  
B.S.

William Scott Ballinger, Marion  
B.A. (Capital University)

Edward Nelson Barr, Canton  
B.S. (Mount Union College)

George Brian Bartley, Dayton  
B.A. (Miami University)

Clarke William Baxter, Cincinnati  
A.B. (Harvard University)

Steven Robert Bayer, Columbus  
B.S.

James Fulton Beattie, Columbus  
B.S.

Robert Edwin Behrendt, Forest Park  
B.A. (Northwestern University)

David Clarence Bell, Worthington  
B.A. (Wittenberg University)

Howard L. Bell, Cincinnati  
B.S.E.E. (Purdue University);  
M.B.A. (Xavier University)

Marc Alan Bernstein, Warren  
B.S.E.E.

David Garver Bichsel, Cincinnati  
B.A. (Miami University)

Mark Edward Blankenburg, Hamilton  
B.A. (University of Notre Dame)

Thomas Laurence Blosser, Kent  
B.A. (Miami University)

Linda Kathryn Bockenstedt, Dayton  
A.B. (Harvard College)

Thomas Joseph Boes, Toledo  
B.A. (University of Toledo)

Mark Andrew Borsch, Jacobsburg  
B.S. (Ohio Northern University)

Michael Leedy Bowman, Bellville  
B.A. (Taylor University)

Stan Carter Boyd, Millersburg  
Assoc. Arts (Hesston College);  
B.S. (Bowling Green State University)

Joseph William Bremer III, Bay Village  
B.S. (Cornell University)

Matthew James Britton, Brooklyn  
B.S. (Baldwin-Wallace College)

Gregory Patrick Brown, Dayton  
B.S.

Bruce Eric Bucklan, Longwood, Fla.  
B.A. (Cornell University)

William Michael Callaghan, Mentor  
M.S., B.S. (Youngstown State University)

Raleigh Shipp Callion, Jr., Edison, N. J.  
B.S. (Morehouse College)

Mary E. Callsen, Middletown  
B.A. (Saint Louis University)

Dorothy Louise Camp, Hicksville  
B.S.

Eric Michael Candler, Dayton  
B.S. (Kentucky State University)

Steven Charles Castle, Gates Mills  
A.B. (Miami University)

Mark Joseph Chambers, Toledo  
B.S., B.A. (Case Western Reserve  
University)

Victoria Hsia Chang, Kettering  
A.B. (Stanford University)

Edward Michael Chernick, Dayton  
B.S.

Thomas Gene Chiavetta, Akron  
B.A. (Miami University)

Neeoo Chin, Cincinnati  
B.A. (University of Cincinnati)

Mark Allen Coate, West Milton  
B.S. (Butler University)

Kim Alden Cockins, Lima  
B.A. (Case Western Reserve University)

Aaron Lee Combs, Columbus  
B.S.

Carey Henry Costantini, Cincinnati  
B.S.E.E. (Purdue University)

Richard William Cresskey, Cincinnati  
B.A. (University of Toledo)

Nicholas James Davakis, Poland  
B.S. (Youngstown State University)

Michael H. Davidson, Dayton  
M.S., B.S. (Northwestern University)

Christopher E. Desch, Dayton  
B.S.

Raymond Allan Donie, Ravenna  
B.S. (Hiram College)

Brian Lynn Eddy, Convoy  
B.A. (Ohio Northern University)

David Borden Feldman, Cincinnati  
B.S., A.B. (Ohio University)

John Allen Fisher, Cincinnati  
B.S. (University of Cincinnati)

Dennis Michael Flynn, Worthington  
B.A. (Walsh College)

Jeffrey Thorn Flynn, Chandlersville  
B.S. (Muskingum College)

Michael Anargiros Frangopoulos, Campbell  
B.S.

Elizabeth M. Gallup, Defiance  
B.S. (University of Toledo)

Linda Geer, Brownsville, Ky.  
M.S., B.S. (Western Kentucky University)

Jerry Henry Gelbart, Solon  
B.S. (University of Michigan)

R. Michael Gendreau, Troy, Mich.  
B.S. (Ohio University)

William Norman Ginn, West Milton  
B.S. (Butler University)

Timothy Alwyn Gooden, Cleveland  
B.S. (Ohio University)

Barry Mark Gordon, Akron  
B.A.

Eileen Mary Gormley, Warren  
B.S. (College of the Holy Cross)

Kenneth Paul Guappone, Poland  
B.S. (Youngstown State University)

Stephen R. Guy, Vandalia  
B.S. (Wright State University)

Barry Halpern, Columbus  
B.A. (Miami University)

David Joseph Hamilton, Wilmington  
B.A. (Miami University)

Christopher E. Harris, Rocky River  
B.S.

Daniel Walter Harwood, Stow  
B.S. (University of Akron)

Kim Ann Hawkins, North Canton  
B.A. (Kenyon College)

Jeffrey Allen Heavilon, Marietta, Ga.  
B.S. (Ohio University)

Louis Paul Heckman, Kettering  
B.S. (University of Dayton)

Stephen Robert Hein, Columbus  
B.A. (Kent State University)

John Edward Herr, Columbus  
B.A. (Miami University)

Douglas William Hess, Bowling Green  
B.S. (Bowling Green State University)

Katherine Denise Hewitt, Fairborn  
B.S. (University of Georgia)

Susan Jean Werts Hickey, Tipp City  
B.S.

Charles Scott Hirth, Orient  
B.S.

Robert Paul Hoffman, Akron  
B.S. (University of Akron)

Lawrence S. Holditch,  
San Juan Capistrano, Calif.  
B.S.E. (Princeton University)

Daniel Grant Hunter-Smith, Cincinnati  
B.A. (Reed College)

Patrick William Jamieson, Rocky River  
S.B. (Massachusetts Institute of  
Technology)

Denise Cecile Jennings, Cleveland  
B.S. (Ashland College)

Edna Marie Jones, Wadsworth  
B.S. (University of Akron)

Robert Leigh Kale, Willard  
B.A. (Ohio Wesleyan University)

Steven Jonathan Kaz, Waukesua  
B.S. (Wright State University)

Karen Marie Keyse, Olmsted Falls  
B.A. (Ohio Northern University)

Harold Bruce Kitaoka, Granger, Ind.  
B.A. (Miami University)

David Karl Klassen, Bluffton  
B.A. (Earlham College)

Gayleen Patricia Kolaczewski, Akron  
B.S. (University of Akron);  
M.S. (Case Western Reserve University)

Robin Dale Kollman, Tuscarawas  
B.S. (Muskingum College)

Kevin James Kolovich, Cleveland Heights  
B.S.

Brian Ernest Kozar, Fairview Park  
B.S.

Douglas Scott Kuehn, Columbus  
B.S.

David R. Lambert, Columbus  
A.B. (Oberlin College)

Joseph Scott Laney, Port Clinton  
B.S.

Norman Wayne Lefkowitz, Akron  
B.S. (University of Akron)

Steven Edward Lindner, Columbus  
B.S.

Patricia Ann Long, New Washington  
B.S. (University of Akron)

Martin Edward Lutz, Toledo  
B.S. (John Carroll University)

Nick Majetich, Jr., Youngstown  
B.A. (Wittenberg University)

Morris M. Mandel, Cleveland Heights  
B.A. (Yeshiva University)

Michael Lawrence Markel, Akron  
B.S.E.E. (University of Notre Dame)

Christina Marie Martin, Columbus  
B.A.

Mary Victoria Marx, Dayton  
B.A. (College of Wooster)

Daniel Thomas Maurer, Lima  
B.S. (University of Notre Dame)

Kathleen Jacob Maurer, Cincinnati  
B.A. (Miami University)

Deborah Marie Messig, Amherst  
B.S.

Harry Frederick Meyers, Toledo  
B.S. (United States Naval Academy)

Jerry Forrest Mikesell, Coshocton  
B.S.

Michael Morrell Miller, Warren  
B.S.

Thomas Richard Molano, Fairborn  
B.A. (Northwestern University)

Jeffery James Moledor, Massillon  
B.S. (University of Tampa)

Michael Robert Murnane, Columbus  
B.S. (University of Georgia)

John Carlton Myers, Columbus  
B.A.

Walter Jerry Mysiw, Cleveland  
B.A. (Case Western Reserve University)

David Robert Neiger, Parma  
B.S.

Neil Franklin Neimark, Youngstown  
B.S. (Youngstown State University)

Steven Donald Nelson, Rocky River  
B.S.

Thomas George Olbrych, Youngstown  
B.S. (John Carroll University)

E. Mitchel Opremeck, North Olmsted  
B.S.

Howard William Palay, Beachwood  
B.A. (Yale University)

Theodore Nick Pappas, Doylestown  
B.S. (John Carroll University)

Richard D. Parker, Youngstown  
B.A. (Walsh College)

Steven Carroll Parsons, Worthington  
B.S. (Ohio University)

Elaine Anne Paul, Warren  
B.S.

Donald Arthur Pavelka, Hopkins, Minn.  
M.B.A. (Cologate Darden Graduate School  
of Business Administration);  
A.B. (Dartmouth College)

Frank Dominic Perrino, Cincinnati  
B.A. (Saint Louis University)

Jeffrey Harold Peters, Worthington  
B.A.

Jeffrey Dean Pittis, New Philadelphia  
B.S.

Joel Arden Porter, Cincinnati  
B.A. (Wabash College)

Amelia Schrag Prack, Westerville  
B.S., B.A. (Duke University)

Eric Gregory Prack, Willard  
B.A. (Saint Vincent College)

Lemoyne Rheul Pringle, Canton  
B.A. (Olivet Nazarene College)

John Dinnie Quimjian, Columbus  
B.A. (Wittenberg University)

Anne M. Reddy, Fairfield  
B.S. (University of Dayton)

Susan Marie Reis, Cincinnati  
B.S. (University of Notre Dame)

Bartholomew Joseph Resta, Columbus  
B.A. (The Johns Hopkins University)

Jeffrey D. Ries, Toledo  
B.S.

Kurt Anthony Ringle, Westerville  
B.A. (Otterbein College)

Sheldon David Roberts, South Euclid  
B.A. (George Washington University)

Edward James Robertson, Garfield Heights  
B.A. (Bowling Green State University)

James Lawrence Robrock, Pepper Pike  
B.A. (Kenyon College)

Gregory Joseph Rogers, Canfield  
B.S. (Marietta College)

Marc Carlton Rose, Youngstown  
B.A.

Phillip Carl Rosmarin, Columbus  
B.S.

Robert James Rossio, Beachwood  
B.S. (University of Toledo)

Donald Lee Russell, New Philadelphia  
B.A. (Malone College)

Kristofer Gibson Sandlund, Bath  
B.S.

Donald Ray Savage, Jr., Germantown, Tenn.  
B.S.

Carl Ralph Schaub, North Canton  
B.S. (Case Western Reserve University)

Edith Ann Shear, Dayton  
B.A. (Emory University)

L. R. Scherer III, Columbus  
B.S.

Victor Schmelzer, University Heights  
B.S. (Yale University)

Brad Lynn Schwartz, Columbus  
B.A. (University of California, San Diego)

Stephen Arthur Segall, Ingleswood, Calif.  
B.S.

Nita Louise Seibel, Dayton  
B.A. (Otterbein College)

John Edward Shaner, Malta  
B.S. (Marietta College)

Kathy Elaine Shy, Springfield  
A.B. (Wittenberg University)

Daniel Thomas Sicking, Cincinnati  
B.S. (Xavier University)

Robert Trent Suckles, Columbus  
B.A. (Denison University)

James A. Sides, Dayton  
B.S.

Benjamin Samuel Simon, Salem  
B.S.

Donald Craig Simon, Youngstown  
B.S. (Miami University)

Douglas Sanford Smith, Columbus  
B.A.

William Gerard Soden, Bay Village  
B.S. (Bowling Green State University)

Daniel Charles Stambor, Lima  
B.A. (Haverford College)

Gary L. Starkey, Norton  
B.S. (University of Akron)

William Cage Stevenson, Delaware  
B.A. (Denison University)

Kathleen Mary Strah, Twinsburg  
B.S. (University of Notre Dame)

Maurice William Stutzman, Sugarcreek  
B.S. (Eastern Mennonite College)

George Ruhl Tingwald, Shaker Heights  
B.A. (University of Chicago)

Timothy Aloysius Tobin, Cleveland  
B.S. (Saint Louis University)

Mark Tranovich, Bellaire  
B.S.

Irene Tsironis, University Heights  
B.A. (Case Western Reserve University)

Kent Alan Tucker, Toledo  
B.S. (Spring Hill College)

Julianne Marie Uehlein, Cincinnati  
B.S. (College of Mount Saint Joseph)

Thomas Martin Vara, Mayfield Village  
B.S. (Brown University)

John Henry Varga, Columbus  
B.S.

Jeffrey Vasiloff, Rittman  
B.A. (College of Wooster)

James William Vrabel, Mansfield  
B.S. (Kent State University)

Douglas Scott Wagner, Akron  
B.A. (Miami University)

Mark Adrian Wangler, Ft. Recovery  
B.S. (Wright State University)

Deborah Paesson Ward, Dayton  
B.S. (Wright State University)

Jeffrey Phillip Wasserstrom, Columbus  
A.B. (Washington University)

Gregory Alan Watts, Utica  
A.B. (Kenyon College)

Ann Ouellette Wehr, Cincinnati  
B.S. (University of Notre Dame)

Chris James Wehr, Zanesville  
B.S. (Duke University)

George Jay Weiner, Cincinnati  
B.A. (Johns Hopkins University)

Donald Bruce Wender, Pittsburgh  
B.S. (Pennsylvania State University);  
Ph.D. (Case Western Reserve University)

Pamela Sue Werner, Kettering  
B.S. (Wright State University)

Judith Ann Westman, Millersport  
B.A. (Ohio Northern University)

Steven Ross Williams, Columbus  
B.A.

Joan Lowder Wilson, Berea  
B.A. (Baldwin-Wallace College)

Virginia Catherine Woodrow, Englewood  
B.S. (Wright State University)

David Lynn Wuest, South Euclid  
B.S.

Jonathan Joseph Yohagy, Steubenville  
B.A. (University of Pennsylvania)

Jeffrey Zangmeister, Columbus  
B.A. (Capital University)

Thomas Richard Ziegler, Maumee  
B.A. (University of Toledo)

Rachel Haya Zylberberg, Dayton  
B.S. (University of Dayton)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Kathleen Marie Abels, St. Henry  
Jack D. Albert, Cochrannton, Pa.  
B.S. (Slippery Rock State College,  
Slippery Rock, Pa.)

David Carl Anderson, Brooklyn  
Pamela Sue Anderson, Akron

Laurel Susan Antler, Columbus  
Beth Elise Ayers, Winterset, Ia.

Jacquelyn Renee Bailey, Worthington  
Alice Ware Barber, Chillicothe

Lesta Faye Barnes, Paulding  
Mark Stephen Basich, Adena

Cynthia Lou Bender, Portsmouth  
Joseph Gene Berasi, Youngstown

Donna Jeanne Blischak, Toronto  
Thomas Charles Boeke, Coldwater

Wendy Louise Bonsteel, West Lafayette  
Colleen Mae Bridges, Mansfield

Elizabeth Jane Brobeck, Kent  
Valerie Elyce Brown, Sebring

Cheryl Lynn Buchanan, Newark  
Mark Victor Burns, Louisville, Ky.

Nancy Ann Burson, Medina  
Dianne Mary Carr, Jersey

Jeffrey D. Carter, Circleville  
Susan Camille Chilcote, Toledo

Luann Jenine Ciavarella, Mineral Ridge  
Kathleen Marie Corbett, Columbus

Nancy P. Cunningham, Steubenville  
Donnie Ferrell Daniels, Elyria

Regina Marie DeAngelo, Canfield  
Sandra Jean DeLong, North Royalton

Teresa Ann Diano, San Diego, Calif.  
Cynthia DiCioccio, Poland

Cinda Kay Duncan, Dayton  
Dawn Olson Elliott, Columbus

Mary Ann Engle, Dayton  
Roberta Ann Englebeck, Port Clinton

Kevin David Evans, Minford  
Carol Sue Fleenor, Canton

Ann Marie Flood, Salem  
Lori Lippitt Flowers, Columbus

Susan Fong, Toledo  
Sara Dee Fowler, Columbus

Dolores Ann Fox, Columbus  
Karen Sue Francy, Bay Village

Sharon Ann Franklin, Toledo  
Judy Lynn Fry, Dayton

Linda Ruth Pullen, Columbus  
Ruth Marie Fullenkamp, St. Henry

David Alan Fultz, Clyde  
Julie Anne Gannatal, Ventura, Calif.

Terri Luana Gannatal, Ventura, Calif.  
B.S. (University of Oregon, Eugene);  
M.A.

Constance Burks Gillam, Indianapolis, Ind.  
Ellen Sue Goldberger, Lorain

Vickie Sue Grady, Akron  
Sue Huntington Graham, Lynchburg, Va.

Joan Kay Griebling, Lexington  
Nita Louise Gruber, Columbus

Elizabeth Ann Haley, Dayton  
Lori Beth Halpern, New City, N. Y.

Steven James Hankey, Columbus  
Christina Clara Hardig, Cincinnati

Carol Marie Hawthorn, New Albany  
Laura Lynne Hay, Columbus

Paul Thomas Hays, Hamilton  
Timothy Peter Heckmann, Cincinnati

B.S.Ed. (Ohio University)  
Linda Patterson Henington, Bay City, Tex.

B.S. (Texas A & M, College Station, Tex.)  
Melanie Carolyn Hetz, Defiance

Julie M. Hickson, Kettering  
Beth Louise Hiebsch, Akron

Jodi Lynn Holland, Alliance  
Melissa Ellen Holodnak, Orangeville

Laura Linn Huggins, Galion  
Karen Frances Hutchison, Bellevue

Carole Marie Johnson, Broadview Heights  
Nancy Ann Kant, Willoughby

Cynthia Marie Karns, Eaton  
Deborah Lynne Kelley, Cincinnati

Diane Sue Kennon, Urbana  
Jean Marie Kerr, Mentor

Kenneth B. Kimble, Grove City  
B.S.

Kathleen Jo Kindig, Wheelersburg  
Mary Jane Koch, Akron

Phyllis Louise Kohls, Fort Jennings  
Karen Kay Kokinda, Marblehead

Nina Massuros Kowalczyk, Columbus  
Beth Koway, Cleveland Heights

Karol Mae Kramer, Troy  
Kay Ellen Kreachbaum, Upper Sandusky

Lisa Diane Krentz, Vandalia  
Cynthia Lee Kuhner, Columbus

Susan Elizabeth Kurucz, Westerville  
James Edward LaCava, Cooperstown, N. Y.

Karen Ann Landis, Lyndhurst  
Jean Marie Lane, Twinsburg

Lisa Ann Lanning, Columbus  
Theresa Marie Leard, Columbus

Janet McKim Leonard, Columbus  
Sharon Ellen Lewis, Beachwood

Susan Kay Lewis, Dayton  
Tracy Allyson Astles Lewis, Toledo

Carol Susy Lingg, Rocky River  
Larry Leland Long, Stow

Susan Beth Love, Columbus  
Connie Marie Luers, Columbus

William Mack, Independence  
Cheryl Elizabeth Maddux, Tipp City

Jerome Carl Malone, Zanesville  
Lisa Ann Manning, East Liverpool

Roselle Irene Marino, Niagara Falls, N. Y.  
Patricia Anne McDougall, Celina

Margaret Ann McFarland, Columbus  
Carla Leann McKay, Sandusky

Jacqueline Ann McKay, Monaca, Pa.  
Michele Merryman, Columbus

Barbara Settles Michel, Miamisburg  
Louise Lynne Miller, Ottoville

Judith Gent Mink, Warren  
Mary Ellen Mooney, New Lexington

Deborah Jean Muehnick, Willoughby  
Lorrie Ann Muehlbrad, Galion

Elyn Sue Ney, Berea  
Maureen Ann O'Hearn, Dayton

Isobel Ojalvo, Columbus  
B.A.

Pamela Kaye Oliver, Painesville  
Robin Lee Oring, North Olmsted

Maureta Hebron Ott, Lancaster  
Jeanette Marleen Page, Massillon

Susan Elizabeth Parker, Canton  
Kimberly Anne Perkins, Rocky River

Brenda Diane Petite, Youngstown  
Jane Susan Petatche, Brecksville

Beth Ann Pfander, Toledo  
Thomas Ralph Potts, Dayton

Kathryn Ann Powell, North Canton  
 Janet Marion Preising, Maple Heights  
 Andra Rudita Purins, Kettering  
 John Gerard Rakosky, Fairview Park  
 Linda DeWeese Ramsey, McComb  
 Rebecca Lee Rayle, Sycamore  
 Timothy Joseph Reisinger, Kettering  
 Barbara Ellen Richter, Akron  
 Victoria Lynn Ridgway, Walton Hills  
 Patricia Marie Ritz, Brecksville  
 Mary Ann Romaniak, Parma  
 Mary Ann Ronk, Fredericktown  
 B.S.Ed.  
 Erin M. Rooney, Rocky River  
 Linda Marie Schlembach, Hamilton  
 Dawn Renee Seigneur, Delta  
 Karen Ann Shaneyfelt, Troy  
 Joann Louise Smith, North Ridgeville  
 Karen Sue Smith, Greenfield, Ind.  
 Susan Marie Stanley, Dayton  
 Karen Leah Strain, New Carlisle  
 Jeanne Marie Strouss, Hubbard  
 Marianne Sturr, Dayton  
 Susan Miriam Sukornick,  
 Williamsville, N. Y.  
 Carol Jane Sumpter, Bryan  
 Robin Gale Sutton, Columbus  
 Jack Andrew Thomas, Newton Falls  
 Susan Anne Tilgner, Delta  
 Kathleen Tropek, Lima  
 Rebecca Elizabeth Troyer, Elida  
 Scott David Underwood, Marysville  
 Joyce Ann Valigore, Solon  
 Joyce Diane Watts Vann, Amherst  
 Linda Vehey, Sandusky  
 B.A. (Ohio Wesleyan)  
 Margaret Kristin Walker, Mason  
 Kimberly Kay Ware, Sidney  
 Jay Michael Wickerham, Columbus  
 Marsha Kay Williams, Salem  
 Julia Bailey Wilson, Fairview Park  
 Kathryn Rose Woodworth, Madison  
 Lora Jeanne Yeamans, Columbus  
 Gholam Reza Yousefi, Columbus  
 Karen Jeanne Ziels, Hamilton

### Certificate of Post Baccalaureate Circulation Technologist

Don Michael Ellenwood, New Bremen  
 B.S. (Wright State University)  
 Thomas J. Gibson, Willard  
 B.S.  
 John Stephen Jacober, Cincinnati  
 B.A. (University of Cincinnati)  
 Ronald David Matheis, Harrison  
 B.S.  
 Gary Ellis Palmer, Bloomington, Ind.  
 A.B. (Indiana University, Bloomington,  
 Ind.)

### Certificate of Post Baccalaureate Medical Technologist

Joy Garman Remley, Columbus  
 B.S. (Ohio University)

### Certificate of Study in Medical Communications

Shelly Lynne Yarley, Columbus  
 B.A.

### Certificate of Study in Physical Therapy

Patricia Jean Ball, Worthington  
 B.S.Ed. (Ohio University)

### School of Nursing

#### Bachelor of Science in Nursing

Gretchen Ann Adler, Walton Hills  
 Barbara Robin Agress, Hightstown, N. J.  
 Vanessa Lynn Alexander, Columbus  
 Barbara Elisabeth Arnold, Columbus  
 Elizabeth Louise Bacon, Amherst  
 Cynthia Lane Baird, Washington C. H.  
 Peggy Ann Baird, Springfield  
 Susan Marie Ballmer, Columbus  
 Laurie Joy Bauer, Fairview Park  
 Linda Jean Baum, Urbana  
 Elizabeth Dawn Benner, Columbus  
 Kelly Jo Berlekamp, Sidney  
 Julie Rebecca Bolg, Howell, Mich.  
 Sharon Ann Bolster, Cleveland Heights  
 Mary Louise Booker, Berlin Heights  
 Jean Elizabeth Buchanan, Rocky River  
 Beth Ann Bucher, Wooster  
 Cindy Lou Burns, Milford Center  
 Janet Elaine Bushong, Elida  
 Stephanie Jo Buynacek, Harvard, Mass.  
 Louise Mary Chappell, Delaware  
 Sally Ann Chappell, Columbus  
 Cheryl Lynn Clark, Grove City  
 Judith Ann Collins, Dublin  
 Frank Ernest Core II, Steubenville  
 Joan Marion Couden, Blacklick  
 Kathleen Kellner Couling, Columbus  
 Laura Elizabeth Denman, Wooster  
 Jan Laura Drummond, Addison  
 Eileen Marie Dyrdek, Beverly  
 Beth Eileen Englehardt, Dayton  
 Mary Patricia Fearon, Canton  
 Lauren Frances Fifer, Walton Hills  
 Beth Lynn Fineran, Hamilton  
 Jane Marie Fiene, Massillon  
 Teresa Suzann Flory, Piqua  
 Debra Ann Gabel, Dayton  
 Maria Renee Garchar, Struthers  
 R.N.  
 Monica Christine Garchar, Struthers  
 R.N.  
 Laura Lee Gardell, Columbus  
 Kimberly Ann Gerst, Caldwell  
 Robert James Gottschalk, Wauseon  
 Rebecca Ann Gray, Wooster  
 Jodie Elyn Greene, Mayfield Heights  
 Paula Lynne Greene, Clyde  
 Donna Jean Grolle, Perrysburg  
 Marilyn Jean Haas, Lakewood  
 Rose Marie Hahn, Bellevue  
 Christine Marie Hamman, Bay Village  
 Kristin Patricia Hamrick, Columbus  
 Amy Luan Hann, Obetz  
 Jill Elizabeth Harding, Lyndhurst  
 Susan Campbell Harper, Cleveland  
 Rosalind Jean Herald, Reynoldsburg  
 Mary Ann Harworth, Xenia  
 Mary Elizabeth Hoell, Reynoldsburg  
 Helen Marie Hollis, Columbus  
 Laura Anne Hutchinson, Kettering  
 Robin Sue Kalman, Stow  
 Therese Marie Kanney, Coldwater  
 JoAnn Marie Kassman, Rochester, Mich.  
 Robin Gay Kephart, Cuyahoga Falls  
 Cathy Jean King, Groveport

Kathy Ann Koontz, Dover  
 Susan Beth Kozar, Chillicothe  
 Candice Kisao Kumagai, Columbus  
 Patricia Christene Lause, Custar  
 Ellen Rae Layman, Fostoria  
 Susan Marie Leaman, Parma  
 Cathryn Sue Lowe, Bucyrus  
 Krista Lynn Lucas, Greenfield  
 Joyce Ann Maggioro, Canton  
 Donna Lynn Martin, Columbus  
 Mary Beth Maysock, Parma  
 Maureen Ann Mercier, Columbus  
 Katherine Irene Miller, Akron  
 Maureen Mary Mitchell, Niles  
 Susan Mora Moroney, Cleveland  
 Davene Anne Nackino, Youngstown  
 Rita Maria Navarro, Brunswick  
 Diane Kay Orr, Warren  
 Deborah Lynn Owens, Columbus  
 Donna Marie Paquette, Columbus  
 Judith Ellen Paradis, Wintersville  
 Bernadette Frances Pazzdiorko, Conneaut  
 Diane Jean Plunkett, Columbus  
 Christine Kay Pollauf, Toledo  
 Sue Ann Poock, Sandusky  
 Valerie Popil, Parma Heights  
 Judy Lynn Price, Morrow  
 Sharon Elizabeth Quint, Brook Park  
 Gail Marie Recktenwald, Fremont  
 Tonya Kay Reisinger, Lancaster  
 Sherry Rice, Worthington  
 Lynne Ann Robinson, Columbus  
 Sharon Ann Sack, Amsterdam  
 Janet Kay Salvato, Ashtabula  
 Gwen Schellentrager, Lyndhurst  
 Jugenia Ann Schrader, South Webster  
 Carrie Lea Schroder, Dayton  
 Patricia Louise Seng, Dover  
 Maureen Diane Serger, Hamilton  
 Pamela Lynn Shade, Eaton  
 Michelle Marie Smith, Columbus  
 Annette Irene Sprinkle, Hillsboro  
 Cynthia Irene Stammen, Burkettsville  
 Carlin Starr, Columbus  
 Janice Renee Stearn, Canton  
 Joy Maureen Strief, Cincinnati  
 Tamara Lynn Sutherland, Kenton  
 Shelley Anne Swisher, Fairview Park  
 Martha Theresa Thomas, Lancaster  
 Ruth Elizabeth Thomson, Cleveland Heights  
 Elizabeth Ann Tope, Gallipolis  
 Ann Frances Turbett, Lorain  
 Laurie Diane Urlaub,  
 West Hempstead, N. Y.  
 Barbara Ruth Warner, Worthington  
 Vicki Louise Weir, Carrollton  
 Debora Jane Whittenbarger, Cincinnati  
 Rhonda Faye Wiggins, Columbus  
 Anne Miriam Wilson, Grove City  
 Deborah Marie Young, Carroll

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

Jeffrey R. Ahns, Minster  
 Brian Scott Armitage, Cornwall, N. Y.  
 B.S.  
 Lee Nathan Bryant, Ironton  
 Chris Allan Calaway, Wadsworth

Robin Marci Comisar, Cincinnati  
 John Jeffrey Conrad, Leetonia  
 B.S. in Agr.  
 Gary Edwin Contner, Bellefontaine  
 Holly Crago Conway, Marietta  
 James Robert Conway, Canfield  
 Edward Walter Crum, Woodsfield  
 Grey L. Eckert, Hillsboro  
 Karla J. Enochson, Wahpeton, N. D.  
 Jacqueline Yvette Goings, Springfield  
 B.S. (Central State University)  
 Drusilla Haskins Grant, Hudson  
 B.A. (Wittenberg College)  
 Stephen J. Grygier, Marion  
 B.S.  
 Mark J. Hagee, Cincinnati  
 Paul Douglas Hampton, Newark  
 B.S.  
 Timothy James Hennie, Chardon  
 Barbara J. Hetrick, Euclid  
 B.S. (Muskingum College)  
 Roger Dean Kamen, Mansfield  
 B.S.M.E. (Tulane University)  
 Michael Keyes, North Olmsted  
 B.S. (University of Toledo)  
 Gregory Albert Kiracofe, Gratis  
 David Alan Koch, Columbus  
 B.S. (University of Dayton)  
 Gregory James Kuley, Cincinnati  
 B.S. (University of Cincinnati)  
 Joseph P. Leisring, Dayton  
 Craig Arthur Liebig, Keyser, W. Va.  
 Randall Michael Maceyko, Campbell  
 Bruce Leonard Manning, Wadsworth  
 Joseph P. Martin, Hiram  
 Thomas F. Mauger, Westerville  
 Robert James McClure, Wooster  
 B.S., M.S.  
 James Mershon, Portsmouth  
 Aaron Alvie Moats, Ravenna  
 B.S. Zoology (Kent State University)  
 Greg G. Montavon, Portsmouth  
 B.S.  
 Jeffrey M. Moore, Orlando, Fla.  
 B.S.  
 Robert Dennis Murphy, Akron  
 B.S.  
 Robert William Nash, Kent  
 Martin K. Neal, Martins Ferry  
 B.S. (Ohio University); M.S.  
 James Richard Patterson, Ashland  
 Stephen J. Pinder, North Canton  
 Jodi Grimm Price, Lancaster  
 B.S. (Ohio University); M.A.  
 Mark J. Rebeck, Akron

Mark Kevin Robinson, West Lafayette  
 Jeffrey Andrew Ropar, Columbus  
 Stanley J. Sadorf, Columbus  
 B.S. (Frostburg State College)  
 James Lee Schmolli, Middleport  
 Jeffrey Curtis Seebohm, Cincinnati  
 B.S. (Defiance College)  
 Alfred Sugawara, Milinani, Hawaii  
 B.A.  
 Alexander Joseph Szabo, Lakewood  
 B.S. (Cleveland State University)  
 Larry Edwin Tope, Paulding  
 B.S. (Bowling Green State University)  
 Ronald Charles Wallie, Kirtland  
 B.A. (Kent State University)  
 Denis Alan Warobiew, Brookfield  
 Michael John Woloschak, Youngstown  
 B.S. (Mount Union College)  
 LaMar Glen Zigler, Bryan

Beverly Ann Hunter, Lima  
 James Lloyd Jones, Orwell  
 Paul Richard Jones, Johnstown  
 Michael Anthony Kalivoda, Lorain  
 Kerry James Keckler, Canton  
 James William Kern, Struthers  
 Mark Alan Killian, Clyde  
 Tamara Ruth Kosky, Stockport  
 B.S. (Ohio University)  
 Carl Robert Litts, Newark  
 Teresa Ann Loux, Ironton  
 Corlis Klara Anna Maczizwizki,  
 Walton Hills  
 Barbara Ann Marchio, Warren  
 Donna Sue May, Columbus  
 Mary Susan McDaniel, St. Marys  
 Karen Elaine Miley, Zanesville  
 Bret Robert Moran, Hilliard  
 Gail Susan Morrison, Kettering  
 B.A. (Barat College)  
 Laurin Ann Neimayer, Scio  
 Mark Allen Noecker, Ashville  
 Keith Allan Pappas, Independence  
 Donald Joseph Pitzer, Portsmouth  
 Gregory Joseph Plas, Cincinnati  
 Elisabeth Radebaugh, Lancaster  
 Gregory Ziegler, Poland  
 Jeffrey Eugene Rinda, Warren  
 B.A. (Oberlin College)  
 Gary Alan Ritz, Novelty  
 William Randall Roh, Youngstown  
 James Nicholas Romeo, Poland  
 Jack Ralph Rosati, Jr., Woodsfield  
 Corrine Cohen Rosen, Beachwood  
 Larry Charles Schieber, Circleville  
 Catherine Elizabeth Snider, Zanesville  
 Carolyn Louise Stang, Bellefontaine  
 Linda Goldmeier Szaimes, Columbus  
 Cecilia Irene Thurn, Columbus  
 Thomas Edward Whiston, Mt. Gilead  
 Marc David Wolf, Mayfield Heights  
 Randall Jay Wright, Enon

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

William John-Anthony Balestrino, Hubbard  
 Ann Leslie Barcroft, Coshocton  
 Marcia Joyce Barron, Beachwood  
 Karen Loetta Bates, Worthington  
 Lynn Ann Beach, Shelby  
 Melinda Taylor Blosser, Olathe, Kans.  
 B.A. (Mount Vernon Nazarene College)  
 Patricia Ann Boes, Findlay  
 Evelyn Ann Buchholz, Lakewood  
 Carla Lee Burgett, Columbus  
 John Charles Canestraro, Urbana  
 Donald Alan Carroll, Fairview Park  
 Ashok Kumar Chawla, Columbus  
 Barbara Jeanne Clark, Columbus  
 William Scott Clark, Kettering  
 Janine Evon Clement, Kenton  
 Stephanie Elaine Cross, Shaker Heights  
 Terrence Allen Davis, Columbus  
 Sherry Lynn DeBolt, Columbus  
 Barry Peter DeRan, Tiffin  
 Mark William Dorian, Galion  
 Mary Louise Ebbert, St. Clairsville  
 Joseph Jerome Flynn, Las Vegas, Nev.  
 Timothy Paul Fouts, Toledo  
 B.A.  
 Twila Sue Frye, Hannibal  
 Jody Lynn Gary, Bridgeport  
 Mark Edward Giangardella, Niles  
 Philip Lawrence Gingrich, Columbus  
 B.A. (Wittenberg University)  
 Jeffrey Eugene Godwin, Bellefontaine  
 Jill Ellen Goldstein, Tonawanda, N. Y.  
 B.A. (State University of New York at  
 Binghamton)  
 Candis Lynn Gray, Youngstown  
 Robert Page Henderson, Roanoke, Va.  
 Keith Edward Higgins, Amherst  
 Teresa Ann Hirschfeld, St. Marys  
 Jeffrey Alan Hoyda, Tiffin

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Margaret Rose Albers, Dayton  
 Kaye Celeste Allison, Cleveland  
 Kathy Lynn Bartlett, Grove City  
 Linda Kay Bates, Zanesville  
 Susan Lynn Bernstein, South Euclid  
 Pamela Gwen Bichum, Cuyahoga Falls  
 Beverly Jayne Brandel, Coshocton  
 Deborah Elaine Brubaker, Toledo  
 Maura Jeanne Buckon, Triangle, Va.  
 Daria J. Burns, Columbus  
 Steven James Byrd, Cleveland  
 Maria Victoria Cadiz, Grove City  
 Debra Beth Cohen, Mayfield Heights  
 Teresa Jean Crist, Newark  
 Janet Stanfield Curtin, Columbus  
 Cheri Jo Denney, Jeromesville  
 Barbara Jo Dennison, Crosswell, Mich.  
 Barbara Jane Doerner, Norwalk  
 Karen Michelle Fabiano, Parsippany, N. J.  
 Kathy Lynne Fair, Sabina  
 Mary Anne Flach, Marion  
 Peggy Ann Fossett, Columbus  
 Francis Lynn Frazier, Columbus

Aleta Esther Geib, Marion  
 Stephen Michael Geib, Marion  
 Denise Marie Geregach, North Royalton  
 Patricia Ann Gleason, Cincinnati  
 Cynthia Sharon Goettl, Mansfield  
 Mark Andrew Goyer, Columbus  
 Pamela Sue Graham, Columbus  
 Martha Susan Gregg, Lima  
 Jane Lynn Groh, Lebanon  
 Jeanne Marie Haddow, Columbus  
 Aaron Barry Handler, Cleveland  
 Cornelia Elizabeth Haw, Columbus  
 Jill Linette Hayes, Wauseon  
 Ellen Yvonne Hensel, Marion  
 Diana Susan Hergatt, Mansfield  
 Jodi Lynn Hitt, Worthington  
 Sandra Jean Hone, St. Marys  
 Laura Lee Horner, Rocky River  
 Tonya Sue Jackson, Bryan  
 Darci Ellen Jacob, University Heights  
 Linda Sue Jones, Columbus  
 Diane Jude, Columbus  
 Margaret Allin Kahrl, Mt. Vernon  
 Mindy Rae Katz, Akron  
 Andrea Lisa Knopp, Columbus  
 Danette Elizabeth LaFollette, Lima  
 Janet Kaye Leckrone, Olmsted Falls  
 Barbara Ann Lindsay, Massillon  
 Carol Anne Link, Coldwater  
 Joy Ellen Locher, Mt. Carmel  
 Suzanne Long, Mansfield  
 Thomas Douglas Lynch, Jr., Columbus  
 Dyan Lynn MacMartin, Sylvania  
 Patricia Anne Makosky, Youngstown  
 Susan Gayle Mann, Alger  
 Kathi Lynn Markovich, Elyria  
 Maura Masterson, Granville  
 Lauren Sue Mazer, Cincinnati  
 Kathleen Grace McHugh, Gambier  
 Esther Sarah Merves, Columbus  
 Barbara Anne Modecki-Mellet, Marietta  
 Rebecca Ann Kiesel Murden, Tiffin  
 Donna Marie Myers, Lancaster  
 Leah Marcelle Noe, Trotwood  
 Mary Lou Peralta, North Royalton  
 Kathleen Marie Peterson, Worthington  
 Ruth Ellen Rabold, Columbus  
 Mary Anna Rapp, Ridgeway  
 Michael Joseph Reardon, Poland  
 James Alan Rhodes, Akron  
 Lori Dale Rhonemus, Springfield  
 Brian James Rigg, Lima  
 Douglas Alan Sayed, Columbus  
 Cynthia Elizabeth Sherwood, Mt. Lebanon  
 Sandra Ann Shutt, Columbus  
 Marlene Elizabeth Silver, Akron  
 Susan Marie Slyh, Upper Arlington  
 Lisa Ann Sotos, Columbus  
 Linda Kay Stewart, Wooster  
 Anna Lee Stone, Chillicothe  
 Lisa Diane Stoner, Galion  
 Edward Mark Sullivan, Mansfield  
 Shereene Lynnett Gardner-Svendsen,  
 Urbana  
 Brenda Rose Towne, Hamilton  
 Debra Ann Trauner, Tiffin  
 Karen Sue Uhle, Olmsted Falls  
 Arlene Walker, Midland, Pa.  
 Semela Rose Wallace, Columbus  
 Joel David Weingarten, University Heights  
 Tina Marie Wheaton, Mansfield  
 Ronald Matthew White, West Carrollton  
 Carolyn Yvonne Whiteside, Columbus  
 Julia Ann Wink, Marion  
 Joyce Louise Yannon, Steubenville  
 Patricia Mary Zachrich, Napoleon  
 Cathy Joy Ziff, Lincolnwood, Ill.

## College of Veterinary Medicine

Dean: Ronald A. Wright

### Doctor of Veterinary Medicine

Lynn Lorraine Arnold, Dayton  
 Richard Paul Asbury, Emerson, N. J.  
 Steven George Beckett, Hamilton  
 B.S.  
 Richard Lee Bell, Berea  
 B.S. (Cornell University); M.Sc.  
 Martin Burke Betts, Jr., McLean, Va.  
 B.S. (George Mason University)  
 Mark William Bielefeld, Cincinnati  
 Dalia Marie Bloze, Strongsville  
 A.B. (Smith College)  
 David Mark Boulden, Columbus  
 B.S.  
 Terry Lynn Bowersock, Wapakoneta  
 B.A. (Lawrence University)  
 Karen Sheldon Bradler, Temple, N. H.  
 Barbara Belle Brecknock, Elyria  
 Louis William Bremer, Strongsville  
 David Robert Brinker, Cleveland  
 B.A.  
 Vicki Spear Britton, Cincinnati  
 B.S.  
 Frederic Tully Brown, Mt. Sterling  
 B.S., M.Sc.  
 Ronald Joseph Busack, Bellaire  
 Frank Wyatt Butler, Columbus  
 Susan Lee Campbell, Louisville, Ky.  
 B.A. (Wellesley College)  
 Charles Edward Cline, Bolivar  
 Lynda Guthrie Collins, Lincolnton, N. C.  
 B.S. (North Carolina State University)  
 Constance Fuller Couch, Canton  
 Anthony Ricardo Dalessandro, Hamilton  
 Craig Theodore Darkow, Akron  
 B.A. (Miami University)  
 Terri Arden Derr, Springfield  
 B.S.  
 Barry Lee Dick, Cincinnati  
 B.A. (Yale University)  
 Nancy Jean Disbro, Cleveland Heights  
 Stephen James Dodaro, Dayton  
 Laurie Gail Doyle, Silver Spring, Md.  
 B.S. (University of Maryland)  
 Joy Rose Dunn, Hopkinsville, Ky.  
 B.S. (University of Kentucky)  
 James Thomas Eldridge, Mason  
 B.S.

Martin Eugene English, Tipp City  
 B.S.  
 Mark Alan Enlow, Athens  
 B.S. (Ohio University)  
 James Emery Estep, Columbus  
 B.S.  
 Dianne Louise Ferris, Indian Head, Md.  
 B.S. (University of Maryland)  
 David John Formal, Kensington, Md.  
 B.S. (Dickinson College)  
 Cynthia Marie Gaborick, Parma  
 B.S.  
 Mark Bromley Gallagher, Bath  
 B.S.  
 Tamara Carole Goforth, Fairfield  
 B.S.  
 Lawrence Jay Goldstein, Mayfield Heights  
 B.A. (Hiram College)  
 Laurie Helen Greene, Columbus  
 B.S.  
 Charlene C. Grise, Columbus  
 B.S.  
 Rebecca Lynn Grusenmeyer, Lakewood  
 B.S.  
 Alice Marie Harpold, Cameron, W. Va.  
 B.S. (West Virginia University)  
 Robert Philip Hartshorn, Newark  
 B.S.  
 James Harold Haubert, Louisville  
 B.S. (Baldwin-Wallace College)  
 Nancy Evonne Hauer, Columbus  
 B.S.  
 Phillip Wayne Hayes, Dayton  
 B.A. (Hamilton College)  
 James Jeffrey Hendricks, Bardstown, Ky.  
 A.S. (University of Kentucky,  
 Elizabethtown);  
 B.S. (University of Kentucky)  
 Mark Scott Hennis, Millersburg  
 B.S. (Baldwin-Wallace College)  
 Stephen Alan Hines, West Carrollton  
 B.A. (Miami University)  
 Allen Michael Holden, Olmsted Falls  
 Richard Skinner Hoskins, Everetts, N. C.  
 B.S. (North Carolina State University)  
 Timothy Charles Irwin, Bellefontaine  
 B.S.  
 Jay James Jakubowski, Toledo  
 B.S.  
 Paul John Jansak, Jr., Cincinnati  
 Melvin John Kattelman, Cincinnati  
 B.S.  
 Charles Michael Kerns, West Mansfield  
 Karen Marie Kline, Springfield  
 B.S.  
 Kenneth Wayne Klouda, Columbus  
 B.S. (Kent State University);  
 M.Sc. (University of Akron)  
 Michael Lewis Koch, Morgantown, W. Va.  
 A.B., M.Sc. (West Virginia University)



Stephen Paul Koehler, Louisville, Ky.  
B.A. (University of Louisville)

Michael Lewis Kubera, Westlake  
B.S.

Marcia Lee Landefeld, Cuyahoga Falls  
B.S.

Shauna Lorell Landry, Amherst, N. H.  
B.S. (University of New Hampshire)

Gary Steven Levy, Deal, N. J.  
B.S. (University of Delaware)

Alan William Main, Columbus  
A.B. (Miami University)

Paula Ann Marrie, Youngstown

Karen Sue Mays, Belpre

John Bradley McClung, Tiffin

James Mark McConnon, Brookeville, Md.

Franklin David McMillan, Cincinnati  
B.S.

Thomas Francis Meade, Gambier  
B.S., M.Sc.

Craig Rene Miesae, Celina  
B.S. (Wright State University)

Gay Yvette Miller, Columbus  
B.S.

Joan Ellen Modlin, Huntington, W. Va.  
B.S. (Marshall University)

Thomas Joseph Molloy, Loveland  
B.S.

Martha Lans Moon, Rockville, Md.

Kim John Moore, Hartsville  
B.S.

Michael Eugene Morath, North Canton

Betty Jo Moravick, St. Clairsville  
B.S.

Alan Cliff Mundell, Oxford

Elizabeth Jane Nagle, Wheeling, W. Va.  
B.S. (West Virginia University)

Craig Owen Nofzinger, Whitehouse

Garrett Robert Oetzler, New Richmond  
B.S.

Thomas Kevin Parel, Newark, N. J.  
B.A. (Dickinson College)

Esta Lene Parrish, Southern Pines, N. C.  
B.S. (North Carolina State University)

Steven G. Paul, Wayne, N. J.

David Neill Peters, Mentor

William Emmett Pittman, III,  
Charleston, W. Va.  
B.S. (West Virginia University)

Linda Sharon Randall, Southbury, Conn.  
B.A. (Earlham College)

Karen Soblosky Regan, Brecksville

Donald Lee Reynolds, Dayton  
B.S.

Gary Leonard Riggs, Wadsworth

Jan Ella Rottenberg, Livingston, N. J.

Albert Mark Ruhfel, Toledo  
B.S. (Bowling Green State University)

Caryn Lisa Scaravelli, Bedford  
B.S.

Walter Edward Schott, III, Cincinnati  
B.S. (University of Cincinnati)

Kathleen Mary Schweikart, Union, N. J.  
B.S. (Purdue University)

Douglas Dale Sharpnack, Elyria  
B.S.

Jack Anthony Shepherd, Cincinnati  
B.S.

Maxwell Robert Sidner, III, Columbus

Carolyn Ruth Simmelink, Fairview Park  
A.B. (Smith College)

Lee Katherine Spyridakis,  
Manchester, N. H.  
B.S. (University of New Hampshire)

Rhonda Marie Stallings, Moreland Hills  
B.S.

Ted Allan Stevens, Painesville  
B.S.

Harriet Lela Strickland, Annandale, Va.  
B.S. (George Mason University)

Dana Frederick Taylor, Wayne, N. J.  
B.A. (University of Delaware)

Valerie Alane Thorn, Bay Village  
B.S.

Roger William Valentine, Lexington, Ky.  
B.S., M.Sc. (University of Kentucky)

Donna Lou Violet, Dayton

Wesley Paul Violet, Delphos

Jerry Raymond Waddle, Fairfax, Va.  
B.S. (Virginia Polytechnic Institute and  
State University)

Emily Anne Walton, Nevada  
B.S., M.Sc.

Calvin Wesley Washington, Warren  
B.S. (Cornell University)

Jane Elizabeth Weed, Endsburg Falls, Vt.  
B.S. (University of Vermont); M.Sc.

Gary Lee Weisenborn, Martins Ferry  
B.A. (West Liberty State College)

Melvin Dean Wenger, Dalton  
B.S.

Scott Thomas Whiteman, Dayton  
B.S. (Defiance College)

Billy Larson Whittaker, Newbury  
B.S., M.Sc.

Thomas Ira Wiles, Oxford  
B.S. (Muskingum College);  
M.Sc. (Miami University)

Marylou Brown Wilkes, Big Spring, Tex.  
B.S.

Joseph Thomas Wolf, Columbus

John Ludwig Worman, Gahanna  
B.S.

Bruce Edward Zellmer, Fairborn  
B.S.

Ellen Linnea Ziemer, Roanoke, Va.  
B.S. (Virginia Polytechnic Institute and  
State University)

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

**Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

**With Distinction in Agricultural Economics**

Marsha Lynn Menzie  
Cheryl Ann Wenner

**With Distinction in Agricultural Education**

Sandra Lee Born

**With Distinction in Animal Science**

Sheryl Ann Arnold  
Grant Edwin Stufft

**With Distinction in Chemical Engineering**

Edward Joseph Riestenberg

**With Distinction in Chinese Drama**

Theresa Moore

**With Distinction in Circulation Technology**

Beth Ann Pfaender

**With Distinction in Dairy Science**

Steven Howard Vaughan  
Dwight Kenneth Roseler

**With Distinction in Demography**

Michelle D. Tufford

**With Distinction in Environmental Communication**

Andrew Scot Kimmel

**With Distinction in Forest Biology**

James Robert Steinman  
Mark Gerard Taylor

**With Distinction in Home Management and Housing**

Patricia Downing

**With Distinction in Human Nutrition and Food Management**

Kathleen Marie Conroy  
Susan E. Dunn

**With Distinction in Industrial and Systems Engineering**

John Vance Magee

**With Distinction in Microbiology**

Jeffrey Howard Stockfish

**With Distinction in Physical Therapy**

Linda Patterson Henington

**With Distinction in Political Science**

Lev Shalom Gonick

**With Distinction in Population and Family Planning Studies**

Tina Baughman

**With Distinction in Portuguese**

Josiah Hillerman Blackmore III

**With Distinction in Psychology**

Kathryn A. Boll  
David Alan Williams

**With Distinction in Social Pragmatism**

Gregory Casey

**With Distinction in Welding Engineering**

Roderick Jason Renwick

**With Distinction in Wildlife Management**

Thomas G. Ranney

**With Distinction in Zoology**

Darrell Lee Gitz  
Max Mirot

**With Distinction in and with Honors in Economics and Liberal Arts**

Bruce Charles Lazear

**With Distinction in and with Honors in History and Liberal Arts**

Stanley Thomas Bialczak

**With Distinction in and with Honors in Microbiology and Liberal Arts**

James Douglas Hoyer

**With Distinction in and with Honors in Music and Liberal Arts**

David Michael Brown

**With Distinction in and with Honors in Zoology and Liberal Arts**

Joseph Kandel

**With Honors in Liberal Arts**

Stanley Harrison Carr  
Clifford Charles Brodsky Chenfeld  
Mark Edward Dawes  
Donald Wayne Dickerson  
Joan Marie Dwuve  
Malinda Kay Goodrich  
Michael Paul Hanson  
David Richard Kaebling  
Robin Denise Klawon  
Michael John McCord  
James Kevin Mulderig  
Kelly Barton Olds  
Mark Neil Rood  
Mark Edward Sale  
Mitchell Matthew Tallan  
Bonnie Jeanne Weaver  
Susanna Spencer Wilkens  
Jeffrey Hugh Winick  
Michael Andrew Wodarcey  
Erol Aaron Woods

**Cum Laude**

Frank James Adiatori  
Margaret Rose Albers  
Heidi Lynn Alexander  
Andrew Stephen Angel  
Gordon Neal Arney  
Richard Paul Asbury  
Bonnie L. Auletta  
Michelle Revou Avritt  
Edward George Babits  
George Brian Bartley  
Linda Kay Bates  
Randolph Mark Beaudry  
Patricia Kemp Beckett  
Richard Patrick Belch  
Howard Lee Bell  
Pamela Marie Bender  
Donna Jeanne Blischak  
Beverly Jayne Brandel  
Cheryl Lynn Brantner  
Patricia Gale Breig  
Steven Martin Brown  
Robert Ernest Buehler  
Carla Lee Burgett  
Pamela Ann Burkley  
Rhonda Sue Burtscher  
Ronald Joseph Busack  
Michael Clark Butler  
Dorothea Elizabeth Caiazza  
William Michael Callaghan  
Barbara Krouse Camboni  
Virginia Jane Cardwell  
Chris Cartellone  
Louise Mary Chappell  
Susan Camille Chilcote  
Edward Wilson Claugus  
Yvonne Faith Clauer  
Timothy Brian Coffelt  
Wendel Lee Colburn  
Cynthia Lynn Connor  
Charles Brian Cook  
Nancy Carolyn Coultrip  
Mary Jo Daup  
Robert Bruce Davis  
Peggy Eileen Dean  
Cheryl Lynn Dent  
Peter John DeWitt  
Cynthia DiCioccio  
Barry Lee Dick  
Alan Robert Diedrich  
Frederick Thomas Dietrich  
Robert Donald Dietrich  
Steven Douglas Dinger  
Barbara Jane Doerner  
Mary Lea Dove  
Catherine Ann Dowler  
Lynette Marie Drumm  
Lisa Ann Dunn  
Edwin Michael Dye  
Bonnie Jean Egan  
Mark D. Ehren  
Carol Louise Elliott  
Mark Alan Enlow  
Carol Sue Fleenor  
Ann Marie Flood  
Mark Phillip Ford  
Michael William Ford  
Jeffrey Edward Powle  
Melanie Lynn Fowler  
Linda Ruth Fullen  
James Robert Gillespie  
Patricia Ann Gleason  
Nancy Ellen Godwin  
Eileen Mary Gormley  
Robert James Gottschalk  
Jane Grazak  
Donna Jean Grolle  
Mary Melinda Gugelchuk  
Rhonda Lynn Hagey  
Jeffrey Lynn Haist  
Elizabeth Ann Haley  
Timothy Lee Hanselman  
Christina Lee Harrington  
Christopher Allen Harris  
Syed Muzammil Hasanain  
Laura Lynne Hay  
Phillip Wayne Hayes  
Martha Suzanne Hendricks  
Mark Scott Hennis  
Margo Louise Hersberger  
Therese Elizabeth Hewitt  
Keith Edward Higgins  
Jeffrey Lynn Hill  
Nolan Fess Hines  
Joel Lee Hoelzer  
Helen Marie Hollis  
Melissa Ellen Holodnak  
David Donald Hubbell  
Douglas Carl Hufford  
Julie Ann Hunsicker  
Wendy Ellen Hunt  
Susanna Ruth Jacobs  
Craig Scott Johnson  
Gina Lee Johnson  
Mark Steven Johnson  
Edna Marie Jones  
Julie Marie Jones  
Linda Sue Jones  
Gerhard Jakob Jung  
Katherine Mary Kaczmarek  
Rita Carol Kalmbach  
Roger Kaman  
Sharon Anne Kaminski  
William Robert Kolodzik Kaye  
Nancy Louise Kell  
Phoebe Marie Kerby  
James William Kern  
Bradley Wendt Kibbel

Sharon Kay Kincade  
 Heidi Carolyn King  
 David Karl Klassen  
 Nobuko Koike  
 Loretta Marie Kramer  
 Linda J. Langhorst  
 Ya-Syn Lee  
 James Edward Leister  
 Carol Linda LeMasters  
 Richard Edward Leonard  
 Raymond Lev  
 Theodore Librizzi  
 Keith Michael Lichtesen  
 James David Lifer  
 Stephen R. Lillie  
 Martha Ellen Lipscomb  
 Scott Quinn Little  
 Carl Robert Litts  
 Larry Leland Long  
 Bradford Scott Loveless  
 Theresa Maria Luthman  
 Patricia M. Lynch  
 Paul Joseph Macuiba  
 Mary Susan Madlener  
 John Vance Magee  
 Robert Mager  
 Michael John Maistros  
 Nick Majetich, Jr.  
 Margaret Mercer Maple  
 Daniel George Marulli  
 Kathleen Gail Maurer  
 Mary Beth Mayock  
 Kenneth Allen Mays  
 Adrienne Jean McNicholas  
 Thomas James McNichols  
 Holly Anne Merker  
 Christian Ayer Merrill  
 Steven Worthington Miller  
 Martha Lans Moon  
 William Bascom Moore  
 Betty Jo Moravick  
 Mark Kohler Morehart  
 Steven Carl Morey  
 Lynn Ann Morgan  
 Gail Susan Morrison  
 Susan Louise Mors  
 Lorie Ann Muehlbrad  
 Alan Cliff Mundell  
 Robert Nash  
 Julie Anne Neal  
 Martin Neal  
 Neil Franklin Neimark  
 Karen Nordstrom  
 Clement Nutter  
 Sandra Ann Obrzut  
 Andrew Edward Oden  
 E. Mitchel Oprencek  
 Howard William Palay  
 Ellen Loraine Palmgren  
 Theodore Nick Pappas  
 Daniel Anthony Patrick  
 Raymond Richard Pikus  
 Barbara Ann Pontius  
 Joel Arden Porter  
 Molly Jo Preston  
 Annette Louise Purteit  
 John Dinnie Quimjian  
 Michael Joseph Reardon  
 Linda Ellis Records  
 Julia Marie Reik  
 Jennifer Daniel Ritchey  
 Ann Elizabeth Roberts  
 Penny Sue Rose  
 Lanny Charles Rosenbaum  
 Gary Allen Ruff

Donald Lee Russell  
 Eugene Richard Schroeder  
 Carol Anne Schwartz  
 Nita Louise Seibel  
 Andrew Nicholas Seiter  
 Susan Kay Sells  
 Patricia Louise Seng  
 Sheryl Ann Serviss  
 Jeffrey Dalton Shroyer  
 Sandra Ann Shutt  
 Kathy Elaine Shy  
 Bret Phillips Smith  
 Craig Alan Smith  
 Paul Wheeler Smith  
 Quintin Franc Smith  
 Michael Thomas Sorter  
 Lisa Ann Sotos  
 Annette Irene Sprinkle  
 Amy Elizabeth Sprunger  
 Carolyn Louise Stang  
 Jeffrey Tod Starling  
 Joy Maureen Strief  
 Ruth Ann Coffman Sullivan  
 Scott Lee Thatcher  
 Arden J. Thomann  
 Lee Lynn Thomas  
 Robin Ann Vachon  
 John Gerald Vandervort  
 Glen Edward Vaughn  
 Wesley Paul Violet  
 Douglas Taylor Wagner  
 Rinda Jo Wagner  
 Susan Waldner  
 Douglas William Wallace  
 Robert Leo Wannemacher, Jr.  
 Lisa Kay Watson  
 Kimberly June Webb  
 Jane Elizabeth Weed  
 Chris James Wehr  
 Roger William Weyand  
 Terry David White  
 Scott Thomas Whiteman  
 Donald Robert Whitley  
 Marsha Kay Williams  
 Julia Bailey Wilson  
 Roseanne Windsor  
 Gary Robert Wires  
 Julie Patterson Woods  
 Donald Thomas Wurth  
 Cynthia Jananne Yammine  
 John Joseph Yasosky  
 Freida Joy Yedid  
 Daniel Jordan Yocum  
 Darrell Franklin Yocum  
 Sung Sig Yoon  
 Judith Lynn Yeungblood  
 Donald Robert Zak  
 Jeffrey Zangmeister  
 Ellen Linnea Ziemer

**Cum Laude with Distinction in  
 Agricultural Economics**

Kathryn Anne Thomas  
 Irene Louise Wallbaum

**Cum Laude with Distinction in  
 Agricultural Education**

Larae Ann Watkins

**Cum Laude with Distinction in  
 History of Art**

Althea Kathleen Zink

**Cum Laude with Distinction in  
 Horticulture**

Jeffrey Allen Erf  
 Clare Stewart Logan

**Cum Laude with Distinction in  
 Human Nutrition and Food Management**

Mary Elizabeth Foltz

**Cum Laude with Distinction in  
 Parks and Recreation Administration**

Lisa Ann Kutschbach

**Cum Laude with Distinction in  
 Psychology**

Elizabeth Marie Kerns

**Cum Laude with Distinction in  
 Respiratory Technology**

Colleen Mae Bridges

**Cum Laude with Distinction in and with  
 Honors in English and Liberal Arts**

Marianne Conroy

**Cum Laude with Distinction in and with  
 Honors in Medical Humanities and Liberal  
 Arts**

John Brett Offenberger

**Cum Laude with Distinction in and with  
 Honors in Psychology and Liberal Arts**

Lisa Ann Leahy Scherer  
 Sharon Shavitt

**Cum Laude with Distinction in and with  
 Honors in Russian and Liberal Arts**

Renee Marie Eileen Bumb

**Cum Laude with Honors in Liberal Arts**

Philip Fritz Cronheim  
 Michael Emerman  
 Joachim Gfoeller, Jr.  
 Amy Jo Lutz  
 Craig Thomas McClung  
 Timothy L. Metz  
 Lynn Ann Ochsendorf

**Summa Cum Laude with Distinction in  
 Environment Education**

Marian Eyer Harmout

**Summa Cum Laude with Distinction in  
 Wildlife Management**

Mark Alan Shields

**Summa Cum Laude with Distinction in and  
 with Honors in Economics and Liberal Arts**

Mark Joseph Bils

**Summa Cum Laude with Honors in Liberal Arts**

Gregory Lawrence Eyink  
Majorie Armstrong Stassen

**Summa Cum Laude**

Roxana Stoik Al-Fayez  
Cynthia Annette Ammar  
Douglas Lee Aschenbach  
Elizabeth Louise Bacon  
Peggy Ann Baird  
Alice Ware Barber  
Karen Sue Basinger  
Larry Frank Bechtel  
Ralph Martin Behner  
Susan Marie Berry  
Carl Adrian Bixel  
Myfanwy Jori Borel  
Laura Jean Bridle  
Joseph Mark Briggs  
Elizabeth Jane Brobeck  
Joseph Orwin Bull  
Susan Lee Campbell  
Nancy Jean Castanien  
Karen Denise Chalmers  
Sue Ellen Christian  
Carolyn N. Cole  
Janet Ruth Coleman  
Judith Ann Collins  
Barbara Jean Cumiskey  
Stephen William Curran  
Christopher Edward Desch  
Rosemary Carol Dietrich  
Gail Beatrice Dorsey  
Elizabeth Alaïre Entwisle  
Brett Michael Esber  
Mark David Evans  
Marc K. Fagin  
Amy Sue Givens  
D. Roy Goldsberry  
Gregory Joseph Gripshover  
Jane Ella Harkness  
Michael Andrew Herman  
S. Craig Herman  
Deborah Lynne Highlander  
Jerry Wilhelm Hoffman  
Richard Skinner Hoskins  
Deborah Mae Hull  
Joan Louise Irwin  
Janet Johnson  
Warren Charles Johnson  
Michael Charles Kirner  
Karen Marie Kline  
Kay Ellen Kreachbaum  
David John Kuhnman  
Teresa Ann Louck  
Ingrid Lieselotte Lukas  
Melissa Lee Mabon  
Donna Marie Marhevka  
Esther Sarah Merves  
Michael Emanuel Metroka  
Richard G. Montevideo  
Beverly J. Montrella  
Shannon Douglas Morris  
Cheryl Atkinson Nystrom  
John Francis Pecquet  
Barbara Joan Petroc  
Brett Albert Pigon  
Mary Ann Poulson  
Roxanne Marie Price  
Thomas Edward Redmond  
Sherry Rice  
Joan Leslie Rigali-Rankin  
Gregory Roy Schlender

Elaine Scurci  
Paul Gregory Sherry  
Douglas Lyn Shoemaker  
Julianne Marie Smith  
Kevin William Snyder  
Rhonda Marie Stallings  
Susan Elizabeth Stevenson  
Maurice William Stutzman  
Janet Kathleen Taft  
Joy Ellen Thomas  
Doris Bezilla Ticknor  
Mark David Tripp  
Michael Francis Urse  
Tina Marie Wheaton  
Richard Scott Williams  
Steven Ross Williams  
Peter Marshall Wilver  
Gwen Colleen Wisler  
Suna Elizabeth Woods  
Sharon Kay Wylie

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SIXTY-NINTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 11, 1981

The Board of Trustees met at its regular monthly meeting on Thursday, June 11, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, and Leonard J. Immke.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

June 11, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related matters.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, and Edmund C. Redman.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### **STATEMENT RELATIVE TO SELECTION OF A PRESIDENT FOR THE OHIO STATE UNIVERSITY**

Mr. Devenow:

I would like to make the following statement. The Personnel and Educational Affairs Committee of the Board of Trustees met in Executive Session with all other members of the Board in attendance (with the exception of Mr. Galbreath who is out of the city and Mr. Berry who was unable to attend) and received the completed report from the Search Committee and its Chairman, Mr. John F. Havens, on the selection of a president for Ohio State University. In order that the full Board may have an opportunity to review the report and the recommendations of the committee, at the close of this meeting I will ask the Secretary of the Board of Trustees to arrange, at the earliest possible date, a time and a place for the Board to meet in Executive Session to consider this most important personnel matter. This meeting will mark the first time the full Board of Trustees has been convened for the express purpose of considering the Search Committee's report and recommendations. Pending a complete and full review of the report and recommendations, there will be no further public announcement concerning the presidential search. We trust that the sensitivity and the need for careful, thoughtful deliberation concerning this matter which is the highest priority for Ohio State University will be appreciated. With this announcement, the work of the Search Committee on the Selection of a President is complete. I would like to take this opportunity to thank each member of the committee for a truly splendid effort. I would especially like to note the contribution of Jack Havens, the Chairman of the Search Committee, who carried out his assignment in an outstanding way. His commitment and devotion to this task merit the highest accolade, and we are deeply grateful. That concludes my statement.

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June 11, 1981 meeting, Board of Trustees

**COMMITTEE APPOINTMENTS 1981-82**

Resolution No. 81-122

WHEREAS the appointments to Committees and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1981-82 are as follows:

**Educational Affairs Committee**

John D. Jacob, Chairman  
Daniel M. Galbreath, Vice Chairman

John F. Havens  
Chester Devenow, Ex Officio

**Fiscal Affairs Committee**

D. James Hilliker, Chairman  
Edmund C. Redman, Vice Chairman

Leonard J. Immke  
Chester Devenow, Ex Officio

**OARDC Agenda Review Committee**

Daniel M. Galbreath, Chairman  
John M. Stackhouse, Vice Chairman

John F. Havens  
Chester Devenow, Ex Officio

**Student Affairs Committee**

Warren J Smith, Chairman  
Leonard J. Immke, Vice Chairman

John W. Berry  
Chester Devenow, Ex Officio

**Personnel Committee**

Chester Devenow, Chairman  
Warren J Smith, Vice Chairman

John D. Jacob

**Development Fund Board**

Leonard J. Immke

John W. Berry

**Inter-University Council**

Warren J Smith

**Research Foundation Board**

Edmund C. Redman (April 1983)

**University Hospitals Board**

Daniel M. Galbreath  
D. James Hilliker

Edmund C. Redman

June 11, 1981 meeting, Board of Trustees

**COMMITTEE APPOINTMENTS 1981-82 (contd)**

NOW THEREFORE

BE IT RESOLVED, That the Committee appointments and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1981-82 be approved.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**HONORARY DEGREE**

Resolution No. 81-123

*Synopsis: Approval is requested for awarding an honorary degree.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of an honorary degree as listed below:

Harold L. Enarson

Doctor of Humane Letters

NOW THEREFORE

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mr. Devenow, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**INTRODUCTION OF NEW TRUSTEE - JOHN W. BERRY**

Mr. Devenow:

We have a new trustee who has been appointed by the Governor, and I would like to congratulate John W. Berry; I spoke to him on the phone. Because of a prior long-standing commitment he wasn't able to make this meeting. He wanted to convey to the Board his regrets that he wasn't able to attend, and he is excited about his appointment as being a member of this Board. He is, I am sure, bringing a long business experience to this Board. He has been involved in education in many respects. He is Chairman of the Board and Chief Executive Officer of L. M. Berry and Company of Dayton and has been associated with the firm since 1940.

June 11, 1981 meeting, Board of Trustees

**INTRODUCTION OF NEW TRUSTEE - JOHN W. BERRY (contd)**

Mr. Devenow: (contd)

In addition to his service now as an Ohio State trustee, he is a trustee of the University of Dayton and the Air Force Museum Foundation in Dayton. He is a member of the Board of Visitors to the University of Dayton Law School, the Presidents Club of Wright State University, the Advisory Council of Notre Dame University's College of Business Administration, the Resources Committee and Alumni Council of Dartmouth College, and the Board of Advisors of the Council for Financial Aid to Education. He is a 1944 graduate of Dartmouth College. Mr. and Mrs. Berry have five children. We are delighted to have him, and he will be at our next meeting, he assured me.

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**ACKNOWLEDGMENT OF HONORARY DEGREE BY PRESIDENT ENARSON**

President Enarson:

Mr. Chairman and Members of the Board, I apologize in advance. I am in my fourth week of laryngitis and almost through the speech circuit. Perhaps with unusual brevity, I will conclude this meeting today. I am very sincere when I say that I am extremely gratified with the award of the Doctor of Humane Letters, and it comes to a man whose letters are generally not noted for their civility, let alone for their humanity. I particularly appreciate it. Some of the staff are laughing because they have been the recipients of these notes.

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**RESOLUTION IN MEMORIAM**

Resolution No. 81-124

*Synopsis: A resolution honoring the service of one of this University's faculty members who has recently died is being proposed.*

RESOLVED, That the Board adopt the following Resolution in Memoriam and that the President be requested to convey a copy to the family of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Nobuhisa Baba

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 5, 1981, of Nobuhisa Baba, Professor of Pathology.

June 11, 1981 meeting, Board of Trustees

## RESOLUTION IN MEMORIAM (contd)

Nobuhisa Baba (contd)

Doctor Baba was born in Tokyo, Japan, in 1932 and lived in that beautiful country during his formative years. He received the M.D. degree from the Faculty of Medicine of the University of Tokyo in 1957, and interned at the University Hospital in that city in 1957-58. As a young postdoctoral student, Nobi came to Ohio State to study experimental carcinogenesis under Doctor Emmerich von Haam. He not only trained as a resident physician in pathology, but also, because of his great love of research, chose to combine this program with a full graduate program in experimental pathology. He finished his residency training in 1963, having earned the M.S. degree in 1961, and was awarded a Ph.D. in experimental pathology in 1965. He became board certified in anatomic and clinical pathology in 1966, and not content with these accomplishments, passed the board examination in forensic pathology in 1967. Even at this early stage in his career his interests were legion.

In 1966 he was promoted to Assistant Professor in Pathology, to Associate Professor in 1970, and became a full Professor in 1974. He was appointed Director of the Division of Pathologic Anatomy in July 1967, a position he held until just prior to his death this year. Quite simply stated, Nobi's whole professional and personal life revolved around the College of Medicine and The Ohio State University which he served with enormous loyalty and distinction. No task was too menial, no committee appointment too trivial, no request for help so onerous that he would not respond with all his energy. His devotion to the College and to this University was unswerving to the end and he gave full measure to ensure its success and growth.

Dr. Baba was an academic pathologist in the finest sense of the term and one of the few persons who was truly a triple threat faculty member. He authored or co-authored more than 60 papers and was a nationally recognized expert in the field of cardiovascular pathology and sudden death. This later work often overshadowed the fact that Doctor Baba published some of the seminal papers on experimental carcinogenesis with Doctor von Haam early in his career. Nobi, despite a continuing tussle with the English syntax, was a great teacher. Proof of this, if needed, was his induction as an honorary member of Alpha Omega Alpha in 1978, a recognition by the medical students and faculty of his concern for their education. His contributions to graduate education were equally impressive. He was constantly surrounded by 4-6 graduate students, and always found time to counsel and stimulate them. His unselfish dedication to these students is demonstrated by the fact that he continued to direct their activities from his hospital room until two weeks prior to his death.

The house staff in pathology were also beneficiaries of the wealth of knowledge he possessed in general pathology—he truly knew “nearly everything about everything” in our discipline. He was a constant source of information, not only to our house staff and faculty but to his clinical colleagues as well.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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June 11, 1981 meeting, Board of Trustees

**DISTINGUISHED SERVICE AWARDS**

Resolution No. 81-125

*Synopsis: Recommendation for seven individuals to receive Distinguished Service Awards is proposed.*

WHEREAS the President's Staff, serving as a Committee on Distinguished Service Awards, has nominated and recommended seven individuals for approval by the Board of Trustees to receive the Distinguished Service Award at a time convenient to the University and the recipients:

Francis Aumann  
Jack O. Evans  
John A. Prior  
Walter Cade Reckless  
Robert C. Ringer  
Clarence E. Taft  
J. Edward Weaver

and

WHEREAS these awards are given in recognition of distinguished service to The Ohio State University and the awards are in accordance with action taken by the Board of Trustees in 1952:

NOW THEREFORE

BE IT RESOLVED, That the Distinguished Service Awards be approved for awarding as designated above.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**HONORARY DEGREE**

Resolution No. 81-126

*Synopsis: Approval is requested for awarding an honorary degree.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of an honorary degree as listed below:

Alistair Cooke

Doctor of Humane Letters

June 11, 1981 meeting, Board of Trustees

**HONORARY DEGREE (contd)**

NOW THEREFORE

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**BUDGET SUMMARY (THIRD QUARTER 1980-81)**

Resolution No. 81-127

*Synopsis: The third quarter budget summary, 1980-81, is presented for review and acceptance.*

This budget summary for the third quarter 1980-81 contains revised estimates of resource and expenditure/commitment projections as actual data have become available. Included are the effects on Columbus Campus unrestricted funds of actual Winter and Spring Quarter enrollments, release of additional state line item funding, and additional increases in anticipated temporary investment income. Revisions to restricted funds net to a \$127,000 decrease from the second quarter report representing redistributions of grant and contract activity. Revisions to earnings operations income and expense reflect adjustments based on activity to date.

WHEREAS the third quarter report of the 1980-81 current funds budget covering the period January through March, 1981 is presented for review by the Board of Trustees and its income and expense estimates deviate by less than 1 per cent from the 1980-81 budget approved by the Board in February, 1981; and

WHEREAS the projected expenditures and commitments of the third quarter report for 1980-81 are supported by adequate income:

NOW THEREFORE

BE IT RESOLVED, That the accompanying third quarter budget report be accepted.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

June 11, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS)

	Revised Budget February 6, 1981	Proposed Revised Budget
<b>Columbus Campus</b>		
<b>Instruction and General</b>		
Departmental Instruction and Research	\$173,542	\$173,937
Libraries	10,808	10,862
Other Academic Support	3,748	3,681
Sponsored Programs Administration	6,297	6,423
Student Services	9,879	10,150
Plant Operation	28,409	28,674
Institutional Support	19,658	19,654
Total Instruction and General	\$252,341	\$253,381
<b>Sponsored Research</b>		
Federally Sponsored Programs	\$ 37,005	\$ 37,618
Other Externally Sponsored Programs	10,364	9,988
Internally Sponsored Programs	505	534
Total Sponsored Research	\$ 47,874	\$ 48,140
<b>Public Service</b>		
University Hospitals	\$ 99,661	\$ 99,823
Cooperative Extension Service	22,122	22,206
Externally Sponsored Programs	15,990	15,473
Internally Sponsored Programs	5,370	5,309
Total Public Service	\$143,143	\$142,811
Student Aid	\$ 7,341	\$ 7,636

June 11, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1980-81  
(IN THOUSANDS) (contd)

	Revised Budget February 6, 1981	Proposed Revised Budget
Columbus Campus (contd)		
Auxiliaries		
Student Housing	\$ 24,764	\$ 24,261
Intercollegiate Athletics	10,451	10,625
University Bookstores	6,519	6,927
Student Health Service	2,901	2,781
Student Unions	2,885	2,939
Parking Facilities	3,247	2,823
University Airport	2,917	3,219
Fawcett Center for Tomorrow	1,767	1,714
Other	751	867
Total Auxiliaries	\$ 56,202	\$ 56,156
TOTAL COLUMBUS CAMPUS	\$506,901	\$508,124
Regional Campuses		
Administration	\$ 198	\$ 198
Lima Campus	2,684	2,679
Mansfield Campus	2,684	2,654
Marion Campus	1,571	1,575
Newark Campus	2,272	2,259
Agricultural Technical Institute	2,896	2,926
Wright-Patterson Graduate Center	100	98
TOTAL REGIONAL CAMPUSES	\$ 12,405	\$ 12,389
TOTAL ALL CAMPUSES	\$519,306	\$520,513
Construction and Renovation Projects	-0-	\$ 2,086
Endowment Income to Principal	-0-	\$ 350
GRAND TOTAL	\$519,306	\$522,949



June 11, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
 1980-81 CURRENT FUNDS BUDGET  
 SOURCES OF INCOME TO SUPPORT 1980-81 BUDGET  
 (IN THOUSANDS)

	Revised Estimate February 6, 1981	Proposed Revised Estimate
<b>Columbus Campus</b>		
Government Appropriations		
State of Ohio	\$163,039	\$164,388
Federal	68,683	68,925
Other	8,306	8,296
Subtotal	\$240,028	\$241,609
Student Fees		
Instruction and General	\$ 71,241	\$ 72,534
Room and Board	20,050	20,137
Other	3,680	3,654
Subtotal	\$ 94,971	\$ 96,325
Other Income		
Auxiliary Sales and Charges	\$122,551	\$122,991
Department and University Services	15,124	14,568
Endowment Income	4,782	4,676
Gifts and Grants	20,393	20,036
Temporary Investments	9,000	10,500
Subtotal	\$171,850	\$172,771
TOTAL COLUMBUS CAMPUS	\$506,849	\$510,705
<b>Regional Campuses</b>		
Lima Campus	\$ 3,029	\$ 3,029
Mansfield Campus	3,047	3,017
Marion Campus	1,801	1,814
Newark Campus	2,687	2,670
Agricultural Technical Institute	3,209	3,239
Wright-Patterson Graduate Center	100	98
TOTAL REGIONAL CAMPUSES	\$ 13,873	\$ 13,867
GRAND TOTAL	\$520,722	\$524,572

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June 11, 1981 meeting, Board of Trustees

**EXPENDITURE AUTHORIZATION 1981-82**

Resolution No. 81-128

*Synopsis: Authorization to make expenditures in 1981-82 is requested.*

WHEREAS levels of State financial support for 1981-82 have not yet been established; and

WHEREAS it is prudent to defer decisions concerning salary levels, fee levels, and other expenditures until the General Assembly has adopted an appropriations bill determining State support; and

WHEREAS it is necessary to continue making various expenditures, including payment of faculty and staff, prior to the time that a Current Funds Budget for 1981-82 is adopted:

NOW THEREFORE

BE IT RESOLVED, That the University be authorized to make expenditures consistent with those levels contained in the Third Quarter Report of Fiscal Year 1980-81 until the Current Funds Budget for 1981-82 is adopted; and

BE IT FURTHER RESOLVED, That within one week following passage of a State appropriations bill, the President will present the Administration's recommendations for a Current Funds Budget for 1981-82 to the Board of Trustees.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**APPOINTMENT OF TRUSTEES FOR POOLED  
INCOME TRUST FUNDS I, II, AND III**

Resolution No. 81-129

*Synopsis: Appointment and reconfirmation of Trustees for Pooled Income Funds I, II, and III are recommended.*

WHEREAS the Board of Trustees by actions of December 4, 1970, September 10, 1976, and September 7, 1979, established Pooled Income Funds I, II, and III as convenient means for University benefactors to contribute financial support to the University and at the same time retain income during their lifetime; and

WHEREAS since that time the Board has appointed individuals to serve as Trustees for Pooled Income Funds I, II, and III; and

June 11, 1981 meeting, Board of Trustees

**APPOINTMENT OF TRUSTEES FOR POOLED  
INCOME TRUST FUNDS I, II, AND III (contd)**

WHEREAS since the establishment of these Funds, it has been and is the intent of the Board that the Treasurer of The Ohio State University automatically serve as one of the Trustees of each of these Funds:

NOW THEREFORE

BE IT RESOLVED, That the Treasurer of The Ohio State University or, in his or her absence, the Acting Treasurer, for so long as he or she holds such position, be and hereby is appointed as a Trustee of Pooled Income Funds I, II, and III and any other Pooled Income Funds that may subsequently be established; and

BE IT FURTHER RESOLVED, That James R. McCoy be and hereby is reconfirmed as a Trustee of the Pooled Income Trust Funds I, II, and III; and

BE IT FURTHER RESOLVED, That Thomas J. Kolda be and hereby is appointed as a Trustee of Pooled Income Trust Funds I, II, and III, to replace Charles R. Traphagan who has resigned as a Trustee.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**APPOINTMENT OF TRUSTEE TO THE OHIO LEGAL CENTER**

Resolution No. 81-130

*Synopsis: A recommendation for appointment of trustee to The Ohio Legal Center is proposed.*

WHEREAS in compliance with the Code of Corporate Regulations of The Ohio Legal Center, the Board of Trustees of The Ohio State University approves appointment of trustees from the faculty membership of the College of Law; and

WHEREAS Assistant Dean Robert Carter has resigned his position in the College of Law which has created a vacancy in the faculty trustee membership of The Ohio Legal Center:

NOW THEREFORE

BE IT RESOLVED, That Associate Dean John P. Henderson be appointed trustee of The Ohio Legal Center, effective July 1, 1981.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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June 11, 1981 meeting, Board of Trustees

**NOVICE G. FAWCETT CHAIR IN EDUCATIONAL ADMINISTRATION**

Resolution No. 81-131

*Synopsis: Authorization to complete the funding of the Novice G. Fawcett Chair in Educational Administration is requested.*

WHEREAS by resolution dated October 12, 1966, on the occasion of his tenth anniversary as President of The Ohio State University, the Board of Trustees gave special recognition to Novice G. Fawcett by establishing the Novice G. Fawcett Professorship in Educational Administration; and

WHEREAS at its meeting on September 8, 1972, the Board redesignated the Novice G. Fawcett Professorship in Educational Administration as an endowed chair in educational administration; and

WHEREAS gifts and pledges continue to be received for the purpose of providing funds to fully endow this chair; and

WHEREAS it is the wish of this Board to insure at this time that the chair is funded at the requisite level as a University tribute to President Emeritus Novice G. Fawcett:

NOW THEREFORE, BE IT RESOLVED, That the unfunded balance which is needed to fully endow the Novice G. Fawcett Chair in Educational Administration shall be provided from interest which has accrued to the University in its unrestricted endowment fund; and

BE IT FURTHER RESOLVED, That the Vice President for Finance and Planning is hereby authorized and directed to take appropriate action to transfer from the unrestricted endowment accounts to the permanent endowment fund such accrued interest in a sum sufficient to insure the full funding of the Novice G. Fawcett Chair in Educational Administration.

Upon motion of Dr. Jacob, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 81-132

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Appointment and/or Reappointment of Chairmen of Departments and Divisions and Directors of Schools, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/Tenure, and Emeritus Titles are recommended for approval.*

June 11, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the May 1, 1981 meeting of the Board, including the following Appointments, Appointment and/or Reappointment of Chairmen of Departments and Divisions and Directors of Schools, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/Tenure, and Emeritus Titles as detailed in the University Budget, be approved.

**Appointments**

Name: MANUEL TZAGOURNIS  
Title: Dean  
College: Medicine  
Salary: \$60,000.00 (12-month)  
Effective: July 1, 1981  
Present Position: Acting Dean, College of Medicine, The Ohio State University

Upon motion of Mr. Havens, seconded by Mr. Immke, the Board of Trustees approved the appointment of Dr. Manuel Tzagournis by unanimous roll call vote.

Name: RONALD L. ST. PIERRE  
Title: Associate Vice President  
Academic Unit: Health Sciences Administration  
Salary: \$47,280.00 (12-month)  
Effective: July 1, 1981  
Present Position: Professor and Chairman, Department of Anatomy, The Ohio State University

Upon motion of Mr. Hilliker, seconded by Mr. Redman, the Board of Trustees approved the appointment of Dr. Ronald L. St. Pierre by unanimous roll call vote.

Name: EARL FINBAR MURPHY  
Title: Professor (The C. William O'Neill Professorship in Law and Judicial Administration)  
College: Law  
Salary: \$59,040.00 (9-month)  
Effective: October 1, 1981  
Present Position: Professor, College of Law, The Ohio State University

Name: LEO A. PAQUETTE  
Title: Professor (Charles H. Kimberly Professorship in Chemistry)  
Department: Chemistry  
Salary: \$55,320.00 (9-month)  
Effective: October 1, 1981  
Present Position: Professor, Department of Chemistry, The Ohio State University

June 11, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointments (contd)

Name: CARROLL EDWARD MOBLEY  
Title: Associate Professor (Duriron Professorship in Metallurgical Engineering)  
Department: Metallurgical Engineering  
Salary: \$30,480.00 (9-month)  
Effective: May 1, 1981  
Present Position: Associate Professor, Department of Metallurgical Engineering, The Ohio State University

Name: DORIS I. CHARLES  
Titles: Director of Health Service in the University Health Service and Team Physician in the Department of Athletics  
Salary: \$54,000.00 (12-month)  
Effective: August 15, 1981  
Present Position: Associate Vice Provost of Student Affairs and Director of Student Health Service and Employee Health Clinic, University of Cincinnati

Name: BARBARA M. REAL  
Title: Assistant Vice President  
Office: Student Services  
Salary: \$33,000.00 (12-month)  
Effective: August 13, 1981  
Present Position: Associate Dean of Student Affairs, Case Western Reserve University, Cleveland, Ohio

Appointment and/or Reappointment of Chairmen of Departments and Divisions and Directors of Schools

July 1, 1981 through June 30, 1985

Architecture	Charles H. Brewer, Jr.
Chemical Engineering	Jacques L. Zakin
Civil Engineering	Otis J. Sproul
Electrical Engineering	Hsien C. Ko
Health, Physical Education and Recreation	Charles Mand
Landscape Architecture	Jot D. Carpenter
Mechanical Engineering	James E. A. John
Psychiatry	Ian W. Gregory
Veterinary Anatomy	Wesley D. Anderson
Veterinary Physiology and Pharmacology	Thomas E. Powers

July 1, 1981 through June 30, 1984

Pharmacology	Allan M. Burkman
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June 11, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointment and/or Reappointment of Chairmen of  
Departments and Divisions and Directors of Schools (contd)

July 1, 1981 through June 30, 1982

*Chemistry	Andrew A. Wojcicki
Clinical Pharmacy and Professional Practice	Donald C. McLeod
Dance	Helen P. Alkire
Nursing	Edna L. Fritz
Radiology	Atis K. Freimanis

October 1, 1981 through September 30, 1985

History	Marvin R. Zahniser
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\*Acting Chairman

**Medical Staff Appointments**

Name	Appointment	Clinical Division
Effective April 8, 1981		
Robert Osher, M.D.	Courtesy Staff in Ophthalmology	Ophthalmology
Greg Lee Offenburger, D.D.S.	Attending Staff in Oral Surgery	Dentistry
Robert G. Zimmerman, M.D.	Courtesy Staff	Anesthesiology
Hudnall J. Lewis, M.D.	Courtesy Staff	Anesthesiology
James R. Niederlehner, M.D.	Limited Staff (Fellow)	Anesthesiology

Effective May 1, 1981

Robert E. Smith, M.D.	Attending Staff	Family Medicine
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**Leaves of Absence Without Salary**

ALLAN K. WILDMAN, Professor, Department of History, effective April 1, 1982 through June 30, 1982, to accept a Kennan Fellowship from the Kennan Institute for Advanced Studies at the Woodrow Wilson International Center for Scholars.

ROBERT S. YOUNG, Clinical Associate Professor, Department of Family Medicine, effective May 1, 1981 through October 31, 1981, for personal reasons.

ANDRES DEL JUNCO, Assistant Professor, Department of Mathematics, effective October 1, 1981 through December 31, 1981, to accept a visiting research position at the Technische Hogeschool Delft in the Netherlands.

June 11, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Leaves of Absence Without Salary (contd)

CHARLETTE GALLAGHER-ALLRED, Assistant Professor, School of Allied Medical Professions, effective July 16, 1981 through September 7, 1981, for personal reasons.

EDWARD W. GOLD, Assistant Professor, Department of Surgery, effective July 1, 1981 through June 30, 1982, to pursue post-graduate training.

MARGARET LONG, Assistant Professor, Department of English, effective October 1, 1981 through September 30, 1982, for personal reasons.

JOSEPH ROSENBLATT, Assistant Professor, Department of Mathematics, effective October 1, 1981 through September 30, 1982, to accept a Visiting Professorship at the University of Missouri.

ROBERT L. HORTON, Instructor, Cooperative Extension Service, effective September 16, 1981 through August 31, 1982, to pursue graduate studies at The Ohio State University.

Professional Improvement Leaves

RAYMOND W. LANG, Professor, Department of Medical Microbiology and Immunology, change from Spring Quarter 1981, Summer Quarter 1981, Autumn Quarter 1981, and Winter Quarter 1982, to June 1, 1981 through April 30, 1982.

CHARLES MASSEY, JR., Associate Professor, Department of Art, effective Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

Emeritus Titles

HENRY D. COLSON, Department of Mathematics, with the title Professor Emeritus, effective July 1, 1981.

DALE T. FRIDAY, Department of Agronomy, with the title Professor Emeritus, effective July 1, 1981.

MAURICE L. GILTZ, Department of Zoology, with the title Professor Emeritus, effective July 1, 1981.

FRED B. HAPKE, Department of Obstetrics and Gynecology, with the title Professor Emeritus, effective July 1, 1981.

CHARLES MORLEY, Department of History, with the title Professor Emeritus, effective July 1, 1981.



June 11, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

ROBERT J. NORDSTROM, College of Law, with the title Professor Emeritus, effective June 1, 1981.

RALPH A. PORTERFIELD, Department of Dairy Science, with the title Professor Emeritus, effective July 1, 1981.

ROY F. REEVES, Department of Mathematics, with the title Professor Emeritus, effective September 1, 1981.

AUSTIN E. RITCHIE, Department of Agricultural Education, with the title Professor Emeritus, effective July 1, 1981.

EDWIN W. ROBBINS, Department of English, with the title Professor Emeritus, effective July 1, 1981.

MERVIN G. SMITH, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective July 1, 1981.

JOHN A. WALKER, Department of Theatre, with the title Professor Emeritus, effective July 1, 1981.

CLAUDE EARL WARREN, Department of Electrical Engineering, with the title Professor Emeritus, effective July 1, 1981.

ROBERT L. WILLS, College of Law, with the title Professor Emeritus, effective July 1, 1981.

HENRY E. WILSON, Department of Medicine, with the title Professor Emeritus, effective July 1, 1981.

ANN J. BUCKERIDGE, School of Nursing, with the title Associate Professor Emeritus, effective July 1, 1981.

GEORGE H. LOHRMAN, Department of Psychiatry, with the title Associate Professor Emeritus, effective July 1, 1981.

ROBERT A. TITUS, School of Music, with the title Associate Professor Emeritus, effective July 1, 1981.

R. FRANK DONLEY, Department of Obstetrics and Gynecology, with the title Instructor Emeritus, effective July 1, 1981.

Upon motion of Mr. Redman, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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June 11, 1981 meeting, Board of Trustees

President Enarson:

The next item--perhaps the Chairman would wish to move or have some member of the Board present it.

Dr. Jacob presented the following resolution:

**APPOINTMENT - DR. WILLIAM R. WALLACE  
DEAN OF THE COLLEGE OF DENTISTRY**

Resolution No. 81-133

WHEREAS the College of Dentistry Dean Search Committee reported two candidates as acceptable to them, namely, Dr. Valdemars Jekkals and Dr. William R. Wallace; and

WHEREAS, the President, after interviewing both candidates, recommended the appointment of Dr. Jekkals as the Administration's choice; and

WHEREAS after full consideration in Executive Session of the merits of both candidates, it is the judgment of the Board that Dr. Wallace having served ably in the role of Acting Dean and being found acceptable to the Search Committee should be appointed to fill the vacancy:

NOW THEREFORE

BE IT RESOLVED, That Dr. William R. Wallace be and he hereby is appointed Dean of the College of Dentistry.

Upon motion of Dr. Jacob, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

Mr. Devenow:

I would like to make a comment before we leave that. We appreciate the energies expended in the search effort by the Committee and by the Administration. Personnel decisions are sometimes extremely difficult. Men and women of sound judgment can have honest disagreements. In this case the Administration made its recommendation and the Board considered it very carefully. However, we feel that on balance the best choice is the man who has served long and well in the College of Dentistry with part of that service as Acting Dean.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 81-134

*Synopsis: The reports on contracts, grants, and gifts and the summary for April are presented for Board acceptance.*

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of April 1981, be approved.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR APRIL 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	75	\$4,652,431.53
Engineering Experiment Station	26	59,681.00
		<b>\$4,712,112.53</b>
The Ohio State University Development Fund		
Establishment of Named Funds		
Department of Pathology Educational and Research Discretionary Fund (Fellowships for pathology resident physicians)		\$ 159,259.00
The Kimberly L. Garland Memorial Scholarship Fund (Undergraduate student scholarships)		\$ 30,559.81
The Joseph B. Collinson Scholarship Fund (Undergraduate accounting scholarships)		\$ 26,420.22

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR APRIL 1981 (contd)**

Establishment of Named Funds (contd)

The Bishop Family Scholarship Fund (College of Agriculture)	\$ 6,015.00
The James and Stella Lee Scholarship Fund for National Merit Students (Scholarships for Marion Harding High School National Merit Scholars)	\$ 5,000.00
Elizabeth Shaw Long Scholarship Fund (School of Natural Resources, Division of Forestry)	\$ 5,000.00
The P. Philip Sabatino Memorial Fund (Health Sciences - education, research and patient care programs)	\$ 5,000.00
The Walter F. Gnezda Memorial Scholarship Fund (Undergraduate scholarships)	\$ 4,875.00

Change in Description of Named Fund

The Jack M. George Fund  
(Designation of use changed  
from Department of Medicine,  
to Division of Endocrinology,  
Department of Medicine)

Report from Presidents Club

Members to date	4,465
1981 members: year to date	47
New members - April 1981	9

New Presidents Club Members - April 1981

David W. Anderson	Elizabeth C. Fontana (Mrs. Mars G.)
Garry J. Buehl	Dr. Bibb Latane
Thomas C. Carroll	E. Edwin Ramm
Gerald L. Crews	Julie A. Wiley
Gene P. Dragonette	

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$950,000.00 - Department of Energy, Washington, D. C., Research and Technical Assistance in Public Utility Regulation Primarily for State Commissions, National Regulatory Research Institute (D. N. Jones), 15 November 1980 through 14 October 1982. (Project 761932 - Continuation)

\$418,166.00 - Department of Education, Office of Education, Grant and Procurement Management Division, Washington, D. C., Regional Resource Center for Agencies Providing Educational Services for Handicapped Children in Ohio, Indiana, and Illinois, Academic Faculty for Exceptional Children (T. M. Stephens), 1 June 1981 through 31 May 1982. (Project 762383 - Continuation)

\$192,059.00 - Environmental Protection Agency, Washington, D. C., Evaluation of a Short Term *in Vivo* System for Risk Assessment of Environmental Chemicals, Department of Pharmacology (D. Couri), 1 April 1981 through 31 March 1982. (Project 762125 - Continuation)

\$146,590.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Leukemia - Lymphoma Program, Department of Medicine (S. P. Balcerzak) and College of Pharmacy (L. Malspeis), 1 March 1981 through 28 February 1982. (Project 763982 - Continuation)

\$144,460.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Unsaturated Polyolefins and Hydrocarbon Carcinogenesis, Department of Chemistry (L. A. Paquette), 1 June 1981 through 31 May 1982. (Project 763284 - Continuation)

\$127,998.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Research Support Branch, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (M. Tzagournis), 1 April 1981 through 31 March 1982. (Project 761078 - Continuation)

\$120,000.00 - Environmental Protection Agency, Washington, D. C., Kinetic Study of Simulated Atmospheres Containing Common Sulfur, Nitrogen, and Carbon Pollutants, Department of Chemistry (J. G. Calvert and D. W. Meek) and Department of Physics (J. H. Shaw), 1 April 1981 through 31 March 1982. (Project 761545 - Continuation)

\$112,166.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Intrarenal Pressure and Renal Function, Department of Medicine (L. A. Hebert), 1 April 1981 through 31 March 1982. (Project 761786 - Continuation)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$108,559.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Research Support Branch, Bethesda, Maryland, Biomedical Research Support Grant, Graduate School - Administration (J. B. LaPidus), 1 April 1981 through 31 March 1982. (Project 764748 - Continuation)

\$104,454.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates, Department of Chemistry (D. Horton), 1 April 1981 through 31 March 1982. (Project 760025 - Continuation)

\$94,000.00 - National Science Foundation, Washington, D. C., A Program of Research Using Low and Medium Energy Nuclear Physics Facilities, Department of Physics (R. N. Boyd), 1 May 1981 through 30 April 1982. (Project 761656 - Continuation)

\$85,600.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Fundamental Studies of High-Temperature Corrosion Reactions, Department of Metallurgical Engineering (R. A. Rapp), 1 May 1981 through 30 April 1982. (Project 761619 - Continuation)

\$85,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Matching Formula Title XII University Strengthening Grant, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith), 1 September 1981 through 31 August 1982. (Project 761863 - Continuation)

\$75,000.00 - National Science Foundation, Washington, D. C., American Lakes: Comparative and Paleolimnological Analyses to Test Hypotheses, Department of Zoology (P. A. Colinvaux), 1 June 1981 through 31 May 1982. (Project 762634 - New)

\$74,606.00 - National Science Foundation, Washington, D. C., Effects of Denervation of Adult Newt Blastema Cell Cycle Parameters, Department of Zoology, (R. A. Tassava), 1 May 1981 through 30 April 1983. (Project 762656 - Continuation)

\$74,000.00 - National Science Foundation, Washington, D. C., Dynamics, Synthesis and Structure of Carbanionic Substances, Department of Chemistry (J. S. Swenton), 1 July 1981 through 30 June 1982. (Project 762189 - Continuation)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$70,244.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Epstein-Barr Virus DNA in Transfected Cells, Department of Medical Microbiology and Immunology (M. R. Glaser and D. S. Parris), 1 April 1981 through 31 March 1982. (Project 762623 - New)

\$68,200.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis Studies in Anthracycline Chemistry, Department of Chemistry (J. S. Swenton), 1 April 1981 through 31 March 1982. (Project 761021 - Continuation)

\$60,000.00 - Department of Education, National Institute of Education, Washington, D. C., A Longitudinal Study of the Development of Coherence and Story Structure in Children's Oral and Written Discourse, Academic Faculty of Early and Middle Childhood Education (M. L. King) and Academic Faculty of Humanities Education (V. M. Rentel), 1 April 1981 through 31 March 1982. (Project 762629 - New)

\$60,000.00 - Department of Education, Office of Special Education, Office of Procurement and Assistance Management, Washington, D. C., Regular Education Pre-Service Deans' Grant, Academic Faculty for Exceptional Children (P. A. Looney), 1 June 1981 through 31 May 1982. (Project 762170 - Continuation)

\$59,387.00 - National Science Foundation, Washington, D. C., Knowledge Organization and Problem Solving for Diagnostic Tasks, Department of Computer and Information Science (B. Chandrasekaran), 1 May 1981 through 30 April 1982. (Project 762640 - New)

\$58,117.00 - Department of Education, National Institute of Education, Washington, D. C., Calculator Information Center, Academic Faculty of Science and Mathematics Education (M. N. Suydam), 18 March 1981 through 17 March 1982. (Project 762053 - Continuation)

\$56,496.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Use of Computer-Aided Testing in the Investigation of Pilot Response to Critical In-Flight Events, Department of Industrial and Systems Engineering (T. H. Rockwell and W. C. Giffin), 1 April 1981 through 30 September 1981. (Project 762647 - New)

\$55,000.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Hydrogen Attack of Steel, Department of Metallurgical Engineering (P. G. Shewmon), 1 April 1981 through 31 March 1982. (Project 764386 - Continuation)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$54,326.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Vibration Analysis of Turbine Engine Blades, Department of Engineering Mechanics (A. W. Leissa), 1 May 1981 through 30 April 1982. (Project 762029 - Continuation)

\$53,925.00 - Environmental Protection Agency, Washington, D. C., Detection, Avoidance, and Potential Sensors for Scale Formation in Steelplant Recycle/Reuse Water Systems, Department of Metallurgical Engineering (G. R. St. Pierre), 11 May 1981 through 10 May 1982. (Project 762655 - Continuation)

\$51,098.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Research Support Branch, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1981 through 31 March 1982. (Project 760661 - Continuation)

\$48,000.00 - National Science Foundation, Washington, D. C., Research Initiation: Finite Elements Analysis of Bi-Material Fracture Mechanics, Department of Engineering Mechanics (G. H. Staab), 15 April 1981 through 30 April 1982. (Project 762645 - New)

\$47,063.00 - National Science Foundation, Washington, D. C., Research Initiation: Stable Crack Growth in Ductile Steels, Department of Engineering Mechanics (R. H. Dean), 15 April 1981 through 30 April 1983. (Project 762644 - New)

\$46,171.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Analyzing Program Methodologies Using Software Science, Department of Computer and Information Science (S. H. Zweben), 1 August 1981 through 31 July 1982. (Project 762340 - Continuation)

\$31,740.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, General Research Support Branch, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine (R. A. Wright), 1 April 1981 through 31 March 1982. (Project 762776 - Continuation)

\$29,924.00 - National Science Foundation, Washington, D. C., Pre-College Teacher Development in Science, Department of Physics (W. R. Riley), 6 April 1981 through 30 September 1982. (Project 762648 - Continuation)

\$29,500.00 - National Science Foundation, Washington, D. C., Steric Effects in Polycyclic Aromatic Hydrocarbons, Department of Chemistry (M. S. Newman and D. W. Meek), 1 May 1981 through 30 April 1982. (Project 761602 - Continuation)



June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$28,500.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Conduct Exploratory Development on Millimeter Wave (MMW) Systems Using the Targeting Systems Characterization Facility (TSCF), Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 April 1981 through 31 March 1982. (Project 762615 - New)

\$27,203.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Effects of Processing and Storage on Human Milk, Department of Food Science and Nutrition (P. M. T. Hansen), 1 April 1981 through 31 March 1982. (Project 761475 - Continuation)

\$25,204.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Support of Seminars on Energy and National Security, Graduate School - Administration, Program for Energy Research, Education, and Public Service (R. E. Bailey), 5 May 1981 through 6 May 1982. (Project 762146 - Continuation)

\$24,997.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Techniques for Optical Power Limiting, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter), 31 March 1981 through 31 August 1981. (Project 760547 - Continuation)

\$24,471.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Non-Contact Crash Data Acquisition Interface, Department of Electrical Engineering (H. Hemami), 1 March 1981 through 1 March 1982. (Project 762618 - New)

\$23,488.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Digital Signal Processing for Analysis of Simulated Crash Data, Department of Electrical Engineering (H. Hemami), 1 April 1981 through 31 December 1981. (Project 762619 - New)

\$22,147.00 - National Science Foundation, Washington, D. C., Orthogonal Polynomials, Department of Mathematics (P. Nevai), 1 July 1981 through 30 June 1983. (Project 762635 - Continuation)

\$20,172.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, A Study of Tactual Sensing and Transmittal of Information, Department of Psychology (R. J. Jagacinski) and Department of Aviation (R. D. Gilson), 1 July 1981 through 31 March 1982. (Project 760476 - Continuation)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$18,664.00 - National Science Foundation, Washington, D. C., Elliptic Operators and Series Representations of Lie Groups, Department of Mathematics (H. Moscovici), 1 July 1981 through 30 June 1983. (Project 762653 - New)

\$15,954.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Investigation of Crashworthiness Measurement, Department of Mechanical Engineering (D. A. Guenther), 1 April 1981 through 31 December 1981. (Project 762626 - New)

\$13,700.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, The Objective Measurement of Sociomoral Reflection, Department of Psychology (J. C. Gibbs), 1 April 1981 through 31 March 1982. (Project 762650 - New)

\$10,925.00 - National Science Foundation, Washington, D. C., Developmental Work on Academic Price Indexes, Office of Finance and Planning (G. W. Baughman), 25 March 1981 through 14 January 1982. (Project 762267 - Continuation)

\$7,562.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates, Department of Chemistry (D. Horton), 1 April 1981 through 31 March 1982. (Project 760025 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies on the Epstein-Barr Virus and Its Association with Nasopharyngeal Carcinoma, Department of Medical Microbiology and Immunology (R. Glaser), 1 April 1981 through 31 March 1982. (Project 761081 - Continuation)

\$6,000.00 - Sandia Laboratories, Albuquerque, New Mexico, Stress and Failure Evaluations Associated with Selected Coal Mine Pillar-Panel Configurations, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 20 February 1981 through 31 December 1981. (Project 762590 - Continuation)

\$3,151.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Deletions and Mitochondrial Genetic Recombination, Department of Genetics (P. S. Perlman and C. W. Birky), 1 April 1981 through 31 March 1982. (Project 764400 - Continuation)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$2,521.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathogenesis of Experimental Atherosclerosis, Department of Physiological Chemistry (D. G. Cornwell), 1 December 1980 through 30 November 1981. (Project 762525 - Continuation)

\$2,520.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1981 through 31 March 1982. (Project 762083 - Continuation)

\$2,200.00 - National Science Foundation, Washington, D. C., 1981 Midwest Regional Developmental Biology Conference, Department of Zoology (R. A. Tassava), 1 May 1981 through 31 October 1981. (Project 762652 - New)

\$461.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Pulse Radiolysis Studies of Fast Reactions in Molecular Systems, Department of Chemistry (L. M. Dorfman), 1 February 1981 through 31 January 1983. (Project 762589 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$4,077,689.00**

**State of Ohio Research Contracts/Grants**

\$52,000.00 - State of Ohio, Department of Education, Vocational Education Division, Columbus, Ohio, Coordination of Statewide Career Education Activities, Academic Faculty of Special Services (J. J. Quaranta, Jr.), 1 January 1981 through 30 September 1981. (Project 762632 - New)

\$975.00 - Ohio Historical Society, Columbus, Ohio, Regional Archaeological Preservation Office 4A, Mansfield Campus (D. W. Kramer and D. R. Morse), 1 October 1980 through 30 September 1981. (Project 762440 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 52,975.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$95,000.00 - University of California, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Producers, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith) and Department of Agronomy (R. W. Van Keuren), 1 February 1981 through 30 September 1981. (Project 761949 - Continuation)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$66,653.00 - Hospital Financial Management Association, Oak Brook, Illinois, The Development of a Financial Analysis Service for the Hospital Industry, School of Allied Medical Professions (W. O. Cleverley), 1 July 1981 through 30 June 1982. (Project 761794 - Continuation)

\$64,579.00 - Gas Research Institute, Chicago, Illinois, An Evaluation of Critical Nature of Flaws in Plastic Pipeline Gas Distribution Systems, Department of Engineering Mechanics (C. Popelar and T. Richard), 1 January 1981 through 31 March 1982. (Project 762393 - Continuation)

\$58,804.75 - State Secretariat of Agriculture, Government of the Dominican Republic, Santo Domingo, The Dominican Republic, Professional Training and Improvement Program, College of Agriculture and Home Economics, International Programs in Agriculture (D. O. Hansen and M. G. Smith), 1 April 1981 through 31 March 1982. (Project 762643 - New)

\$49,998.00 - Electric Power Research Institute, Palo Alto, California, An Advanced Prototype System for Locating and Mapping Underground Obstacles, Department of Electrical Engineering, ElectroScience Laboratory (R. Caldecott), 1 July 1981 through 31 December 1981. (Project 760604 - Continuation)

\$35,419.00 - American Cancer Society, New York, New York, Nasopharyngeal Cancer: Diagnostic/Prognostic Testing, Department of Medical Microbiology and Immunology (R. Glaser), 1 April 1981 through 31 March 1982. (Project 762633 - New)

\$25,986.00 - Commonwealth of Pennsylvania, Department of Education, Harrisburg, Pennsylvania, Consortium for the Development of Professional Materials for Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 September 1980 through 31 August 1981. (Project 762607 - Continuation)

\$25,002.00 - Upper Arlington Schools, Upper Arlington, Ohio, Instruction and Direct Services for Upper Arlington Demonstration and Validation of Career Education Project (USDE), Academic Faculty of Special Services (J. J. Quaranta), 1 February 1981 through 30 September 1981. (Project 762630 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Application for Young Investigator Research Position Award, College of Pharmacy (J. J. MacKichan), 1 July 1981 through 30 June 1982. (Project 762641 - New)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$20,000.00 - City of Columbus, Division of Fire, Columbus, Ohio, City of Columbus Fire Project, College of Administrative Science - Continuing Education (J. Stanley), 1 January 1981 through 30 June 1981. (Project 762631 - Continuation)

\$12,675.00 - The Standard Oil Company, Cleveland, Ohio, Assimilate Partitioning, Department of Botany (C. A. Swanson), 1 April 1981 through 31 March 1982. (Project 762657 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effects of Ethanol in Dog Hearts, Departments of Veterinary Clinical Sciences and Veterinary Physiology and Pharmacology (W. W. Muir) and Department of Veterinary Clinical Sciences (S. M. McGuirk), 1 July 1981 through 30 June 1982. (Project 762651 - New)

\$8,525.00 - Martha Holden Jennings Foundation, Cleveland, Ohio, The Development of an Enrichment Program in Children's Literature, Lima Campus and Academic Faculty of Early and Middle Childhood Education (J. V. Kristo), 15 February 1981 through 31 August 1981. (Project 762628 - New)

\$6,900.00 - Massachusetts Institute of Technology, Cambridge, Massachusetts, INFOPLEX Data Based Computer Architecture, Department of Computer and Information Science (D. K. Hsiao), 15 September 1979 through 15 June 1980. (Project 762654 - New)

\$4,625.00 - The Burroughs Wellcome Fund, Research Triangle Park, North Carolina, Research and Collaboration at University of Dundee Medical Sciences Institute, Scotland, Department of Food Science and Nutrition (J. B. Allred), 15 June 1981 through 15 October 1981. (Project 762624 - New)

\$4,500.00 - Greater Columbus Arts Council, Columbus, Ohio, Provisional Theatre Residency, Department of Theatre (A. L. Woods and Y. Shafer), 12 January 1981 through 11 May 1981. (Project 762646 - New)

\$3,155.00 - Wisconsin State Occupational Information Coordinating Committee, Madison, Wisconsin, Developing the Standard Occupational Classification (SOC) Code Definitions, National Center for Research in Vocational Education (R. E. Taylor), 1 April 1981 through 30 June 1981. (Project 762161 - Continuation)

\$1,200.00 - Ohio Academy of Family Physicians, Columbus, Ohio, Panic Attacks, Agoraphobia, and Depression, Department of Family Medicine (L. L. Gabel), 1 February 1981 through 30 June 1981. (Project 762627 - New)

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$1,000.00 - Linn-Benton Community College, Albany, Oregon, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1980 through 30 June 1981. (Project 761599 - Continuation)

\$745.78 - Southeast Missouri State University, Cape Girardeau, Missouri, The Preparation of Supplemental Instructional Units Based on Crustal Research for Use in Grades 8-10, Academic Faculty of Science and Mathematics Education (V. J. Mayer), 1 September 1978 through 31 December 1979. (Project 761382 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 521,767.53**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$59,681.00 - various sponsors for 26 development projects under the direction of six engineering departments and research areas.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$50,000.00 - The Proctor & Gamble Company, Cincinnati, Ohio--\$42,500.00 for Toxic Shock Research Fund and \$7,500.00 for Proctor and Gamble Company Fellowship in Chemistry.

\$43,334.65 - Estate Under the Will of Miss Sara Crist, Columbus, Ohio, for Ohio State National Merit Scholarship Fund.

\$30,655.24 - Louise Orr Scott Foundation, Columbus, Ohio--\$22,991.43 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$7,663.81 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$29,254.00 - Adria Laboratories, Inc., Columbus, Ohio, for Clinical Pharmacology Fund.

\$29,008.40 - Estate Under the Will of Florence Ogden Wilson, Oklahoma City, Oklahoma, for Florence O. Wilson Endowment Fund.

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$25,000.00 - Chemlawn, Columbus, Ohio, for Electropharmacology Research - Hollander Fund.

\$25,000.00 - Gene P. Dragonette, Huntsville, Ohio--\$20,000.00 for Presidents Club Special Fund and \$5,000.00 for Friends of WOSU.

\$18,500.00 - The Upjohn Company, Kalamazoo, Michigan, for Upjohn Company Graduate Training Fellowship.

\$15,000.00 - The Kaplan-Halpert Foundation, Inc., Columbus, Ohio, for The Jack M. George Fund.

\$13,184.88 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,148.00 - Dr. Fritz Strauman, Liestal, 13 Switzerland, for The Hans Willenegger Residency in Veterinary Surgery.

\$10,000.00 - Mid Ohio Automotive, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$10,000.00 - Nationwide Mutual Insurance Company, Columbus, Ohio--\$5,000.00 for C. William O'Neill Professorship of Law Fund and \$5,000.00 for Student Athlete Grant-in-Aid Fund.

\$9,620.23 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$8,764.00 - Pfizer, Inc., Groton, Connecticut, for Infectious Disease Research Fund.

\$8,248.09 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$8,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$7,198.79 - Trust Under the Will of Carl M. Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$7,000.00 - Construction Equipment Group, Worthington, Ohio, for Student Athlete Grant-in-Aid Fund.

\$7,000.00 - Grumman Dormavac, Woodbury, New York, for Department of Horticulture Support Fund.

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$6,588.00 - SISA Incorporated, Cambridge, Massachusetts, for Clinical Pharmacology Fund.

\$6,324.25 - William H. Havener, M.D., Columbus, Ohio, 617 shares Patrick Petroleum warrants, for Ophthalmology Teaching Fund.

\$6,300.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$6,000.00 - The Falk Corporation, Milwaukee, Wisconsin, for Gear Dynamics and Gear Noise Research Laboratory Fund.

\$6,000.00 - The Horsburgh & Scott Company, Cleveland, Ohio, for Gear Dynamics and Gear Noise Research Laboratory Fund.

\$6,000.00 - The Tool Steel Gear and Pinion Foundation, Cincinnati, Ohio, for Gear Dynamics and Gear Noise Research Laboratory Fund.

\$5,242.27 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$5,100.00 - Hoffmann-LaRoche, Inc., Nutley, New Jersey, for Infectious Disease Research Fund.

\$5,001.00 - Texas Marketing Area, Order No. 1126, Dallas, Texas, for Ohio Agricultural Business Fund.

\$5,000.00 - The Dow Chemical Company, Midland, Michigan, for Soil Fertility Research Fund.

\$5,000.00 - The Duriron Company, Inc., Dayton, Ohio, for Duriron Professorship in Metallurgical Engineering.

\$5,000.00 - Edison Electric Institute, Washington, D. C., for Lamme Power Systems Laboratory.

\$5,000.00 - The Samuel Mendel Melton Foundation, Columbus, Ohio, for The Melton Fund-Lewis Fund.

\$5,000.00 - Mrs. Dorothy V. Steiner, Clearwater, Florida, for Loren F. Steiner Entomology Memorial Fund.



June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**Department of Pathology Educational and Research Discretionary Fund**

The Department of Pathology Educational and Research Discretionary Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the faculty and friends of the Department of Pathology, College of Medicine.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more fellowships for pathology resident physicians who wish to pursue an additional one- or two-year program in research and education at The Ohio State University leading to eligibility for the examinations of Special Competence of the American Board of Pathology. The Department is authorized to invade the principal amount of the endowment if necessary. The selection of the recipients is to be made upon the recommendation of the Department Chairman and the Dean of the College of Medicine.

Should the need for these pathology fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Chairman of the Department of Pathology in the College of Medicine.

**The Kimberly L. Garland Memorial Scholarship Fund**

The Kimberly L. Garland Memorial Scholarship Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the estate of Kimberly L. Garland.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal is to be used to provide annual scholarships for two or three undergraduate students enrolled at The Ohio State University. Preference shall be given to entering students from Zanesville High School, Zanesville, Ohio. Selection of the scholarships for entering students is to be coordinated with the Superintendent of Schools, or designee, Zanesville Board of Education, Zanesville, Ohio. Selection is to be based on academic record and evidence of leadership without regard to the applicant's financial need. Recipients may reapply. Selection will be under the jurisdiction of the University Committee on Student Financial Aids.

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Kimberly L. Garland Memorial Scholarship Fund (contd)**

Should the need for this fund cease to exist or so diminish as to provide unused income, then a representative of the family heirs in conjunction with the Board of Trustees can review the various legal options at that time and jointly decide the distribution of this income and its purpose.

**The Joseph B. Collinson Scholarship Fund**

The Joseph B. Collinson Scholarship Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University from the Textron Corporation of Providence, Rhode Island.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a scholarship for an accounting student completing the junior year who has indicated an intent to go on with graduate studies in accounting; achieved outstanding academic rank and provided concrete evidence of leadership. The selection of the recipient is to be made upon the recommendation of the selection committee, consisting of the Chairman of the Academic Faculty of Accounting, a member of the Accounting Faculty teaching in the Honors Program and the Adviser of the Student Accounting Association.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for accounting education.

**The Bishop Family Scholarship Fund**

The Bishop Family Scholarship Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund sponsored by the Bishop family.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

June 11, 1981 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Bishop Family Scholarship Fund (contd)**

The annual income from the principal is to be used to provide scholarship assistance to a needy fourth-quarter student enrolled in the College of Agriculture who has completed his/her freshman year at The Ohio State University with a creditable grade point average. The recipient must be a current resident of the State of Ohio, of good moral character, a present or former qualified member of 4-H, FFA, or the FHA organizations in Ohio, and must be a current resident of the OSU dormitories, approved residence halls, or other approved residence while enrolled in the college. The scholarship may be granted for one year and for no longer than a three-year period to the same recipient as long as he/she continues to meet the above requirements.

The selection of the recipient shall be made by the University Committee on Student Financial Aids with recommendations from the Dean or Assistant Dean for Student Affairs in the College of Agriculture.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for curricula in agriculture.

##### **The James and Stella Lee Scholarship Fund for National Merit Students**

The James and Stella Lee Scholarship Fund for National Merit Students was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Jerry D. Lee, B.S.Bus.Adm. '58, Greenwich, Connecticut.

All gifts are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarships for one or more National Merit student(s) who are graduates of Marion Harding High School (Marion, Ohio) enrolling at The Ohio State University. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids. Candidates from Marion Harding High School are to be recommended by a faculty committee of Marion Harding High School.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference given to currently available program(s) supporting merit scholarships.

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Elizabeth Shaw Long Scholarship Fund**

The Elizabeth Shaw Long Scholarship Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Harry H. Long, Jr., '48, in memory of his mother, Elizabeth Shaw Long.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide scholarship support to a student pursuing a degree in the School of Natural Resources, Division of Forestry. The student must demonstrate high academic achievement as well as financial need. The selection of the student shall be made by the Director of the School of Natural Resources in conjunction with the Director of Student Financial Aids. During the lifetime of the donor, the Office of Student Financial Aids will annually provide the donor with the name of the student who receives the award.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships.

**The P. Philip Sabatino Memorial Fund**

The P. Philip Sabatino Memorial Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of P. Philip Sabatino, B.S.Bus.Adm. '54, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for education, research and patient care programs in the health sciences. Requisitions for the use of funds will be approved by the Vice President for Health Sciences.

Should the need for these funds cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in the health sciences.

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Walter F. Gnezda Memorial Scholarship Fund**

The Walter F. Gnezda Memorial Scholarship Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from his wife, Mary A. Gnezda, M.A. '61, Ph.D., '72, and daughters, Nicole G. Smith and M. Therese Gnezda, and son, Eric W. Gnezda, in memory of Walter F. Gnezda, B.S.Bus.Adm. '51, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for the sons and daughters of parents who have multiple sclerosis and who have demonstrated a need for financial assistance. The selection of the recipient is to be made upon the recommendation of the University Scholarship Committee.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for student financial aid.

**Change in Description of Named Fund**

**The Jack M. George Fund**

The Jack M. George Fund was established April 6, 1979, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Kaplan-Halpert Foundation of Cleveland, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for research and training in Endocrinology, including such things as graduate fellowships, equipment, consumable supplies for research (such as chemicals, glassware, animals, isotopes), salary for research assistant, seminars, travel, publication costs, books and journals and eventually for the endowment of a faculty chair in the Division of Endocrinology, Department of Medicine. Requisitions for funds are to be approved by Dr. Jack M. George, as long as he is a member of the OSU faculty, the Chairman of the Department of Medicine, and the Dean of the College of Medicine. Any income not used in a given year may be added to the principal at the direction of the Chairman of the Department of Medicine.

June 11, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Description of Named Fund (contd)**

**The Jack M. George Fund (contd)**

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used to establish an endowed faculty chair in the department of medicine.

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**EMPLOYMENT OF ARCHITECT/ENGINEER**

**HEALTH SCIENCES CENTER ROADWAY (INTERNAL LOOP)  
AND HEALTH SCIENCES CENTER STORM SEWERS**

Resolution No. 81-135

*Synopsis: Authorization to employ a qualified engineering firm to perform engineering services for this project is requested.*

WHEREAS the Health Sciences Center component of the Comprehensive Master Plan recommends several revisions to the interior traffic pattern of the Health Sciences Center in order to reduce congestion, simplify traffic flow, discourage short-cut traffic, increase pedestrian area and establish the principal circulation loop and other desired traffic patterns; and the additional project for storm sewers will drain the area at the Emergency Room entrance to Rhodes Hall by additional drain lines and the installation of larger sewer pipes in the area; and

WHEREAS it is proposed to construct a new roadway section between Cannon Drive and Belmont Avenue, widen Belmont Avenue north of the new roadway, eliminate West Ninth Avenue between Perry Street and Belmont Avenue, eliminate a portion of Belmont Avenue, modify West Tenth Avenue east of Belmont Avenue and provide appropriate signage, barriers, landscaping, drainage, traffic control devices, and storm sewer modifications:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to select a qualified engineering firm from a list of firms provided by the Department of Administrative Services; and

BE IT FURTHER RESOLVED, That the fee for services be negotiated between the firm and the Department of Administrative Services, Division of Public Works, and that all final actions will be dependent on final passage of the current Capital Appropriations Bill of the

June 11, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER (contd)**

**HEALTH SCIENCES CENTER ROADWAY (INTERNAL LOOP)  
AND HEALTH SCIENCES CENTER STORM SEWERS (contd)**

State of Ohio for The Ohio State University for the Fiscal Year 1981-82 with the project cost for construction estimated to be \$900,000.00.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 81-136

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**ROOF REPLACEMENTS, 1981**

Description: Restoration of roofing systems for Robinson Laboratory, Plumb Hall, Optometry Building and Mershon Auditorium, due to deterioration.

**General Contract**

Date Received:	May 13, 1981
No. of Bids:	4
Low Bid:	\$ 547,383.00*
High Bid:	\$1,231,000.00*
Estimate of Cost:	\$ 915,000.00*
Awarded to:	C. E. Mays Roofing, Westerville, Ohio

Total Contingency Allowance: \$ 43,790.51 which is 8 per cent of construction contract

Total Project Cost: \$ 596,935.00

Funding: Budget Account 210134 and 885155

\*Recommended alternates reflected in these figures.

June 11, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**MASONRY REPAIRS (EXTERIOR)1981**

Description: Repair deteriorated masonry on Graves Hall, Koffolt Laboratories, Civil and Aeronautical Engineering Building and Scott Hall.

General Contract

Date Received:	May 19, 1981
No. of Bids:	2
Low Bid:	\$ 218,750.00*
High Bid:	\$ 222,069.00*
Estimate of Cost:	\$ 291,000.00*
Awarded to:	Trisco System, Inc., Lima, Ohio
Total Contingency Allowance:	\$ 13,125.21 which is 6 per cent of construction contract
Total Project Cost:	\$ 235,189.00
Funding:	Budget Account 210134

**EXTERIOR PAINTING, 1981 (SEVEN BUILDINGS)**

Description: Due to deterioration, painting will be accomplished on all trim work to Lazenby Hall, Ives Hall, Maintenance Building, ElectroScience Laboratory, Mendenhall Laboratory, Page Hall and Derby Hall.

General Contract

Date Received:	May 13, 1981
No. of Bids:	7
Low Bid:	\$ 91,332.00*
High Bid:	\$ 136,674.00*
Estimate of Cost:	\$ 152,500.00*
Awarded to:	L. D. Henry and Son, Inc., Columbus, Ohio
Total Contingency Allowance:	\$ 7,300.36 which is 8 per cent of construction contract
Total Project Cost:	\$ 100,959.00
Funding:	Budget Account 885157

\* Recommended alternates reflected in these figures.



June 11, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**SPHINX PLAZA**

Description: Construction of landscape project to be known as Sphinx Plaza. In connection with this, members of the Sphinx have elected to commemorate the 75th Anniversary of the Sphinx Senior Honorary Society to be held in 1982 with this Plaza.

**General Contract**

Date Received: April 15, 1981  
No. of Bids: 6  
Low Bid: \$ 69,500.00\*  
High Bid: \$ 106,300.00\*  
Estimate of Cost: \$ 122,100.00\*  
Awarded to: Henry A. Justus, Inc., Columbus, Ohio

Total Contingency Allowance: \$ 3,102.40 which is 4.5 per cent of construction contract

Total Project Cost: \$ 90,000.00\*

Funding: Sphinx 75th Anniversary Gift Fund

**STADIUM DRIVE BRIDGE REPAIRS**

Description: Repair stone mortar joints, reinforce stone anchors and patch concrete arches due to deterioration. These repairs will be over the Olentangy River Road span of the bridge.

**General Contract**

Date Received: May 7, 1981  
No. of Bids: 4  
Low Bid: \$ 11,050.00\*  
High Bid: \$ 20,237.00\*  
Estimate of Cost: \$ 42,420.00\*  
Awarded to: Raymond E. Kelley, Bowmansville, New York

Total Contingency Allowance: \$ 1,105.00 which is 10 per cent of construction contract

Total Project Cost: \$ 12,802.00

Funding: Budget Account 210134

\* Recommended alternates reflected in these figures.

June 11, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NOW THEREFORE

BE IT RESOLVED, That pursuant to actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ACCESSION OF PROPERTY  
95 EAST 12TH AVENUE, COLUMBUS, OHIO**

Resolution No. 81-137

*Synopsis: Opportunity to acquire property to establish a named fund is proposed.*

WHEREAS the University has been provided with an opportunity to acquire the property located at 95 East 12th Avenue, Columbus, Ohio; and

WHEREAS the Ohio State Gamma Alpha Association, an Ohio nonprofit corporation, has offered to make a gift of said property to the University, subject to the condition that the proceeds from the sale of said property be used to establish the Gamma Alpha Library Fund, and earnings are to be used to purchase reference materials for the University's science libraries (Departments of Chemistry, Physics, Botany, Biological Sciences and Geology):

NOW THEREFORE

BE IT RESOLVED, That the property be accepted as a gift to the University through the Development Fund from the Ohio State Gamma Alpha Association; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized to acquire title to said property in the name of the Board of Trustees of The Ohio State University.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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June 11, 1981 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 81-138

RESOLVED, That the report on the University's Investment Portfolio, dated May 15, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**REPORT - PRESIDENT HAROLD L. ENARSON**

President Enarson:

Mr. Chairman, under Reports I have two items; both are brief and one is good and one is bad. The good item is that the Athletic Council has unanimously passed a resolution that OSU forward its commitment to the Big 10 that we wish to affiliate our Women's Intercollegiate Program with the Big 10 conference; that is the good news. The bad news is there is a 60 per cent chance of rain tomorrow at commencement. That concludes my report.

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Thereupon the Board adjourned to meet Friday, July 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

OFFICIAL PROCEEDINGS OF THE  
FIRST JOINT MEETING  
OF THE OHIO STATE UNIVERSITY BOARD OF TRUSTEES  
AND THE UNIVERSITY HOSPITALS BOARD

Columbus, Ohio, June 11, 1981

The Chairman of the University Board of Trustees, Mr. Chester Devenow, convened the meeting of the Board of Trustees and University Hospitals Board at 3:00 p.m. in the Alumni Wing of the Fawcett Center for Tomorrow.

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University Board of Trustees Present: Chester Devenow, Chairman, D. James Hilliker, John D. Jacob, Edmund C. Redman, Warren J Smith.

University Hospitals Board Present: Judge Robert M. Duncan, Chairman, Josephine S. Failer, Charles Y. Lazarus, Frank Lomax, Lloyd M. Parks, Wilbur W. Jones, Morris S. Rosenblum, Frieda I. Shirk, Arthur I. Vorys.

June 11, 1981 Joint Meeting, Board of Trustees and University Hospitals Board

Mr. Devenow:

As this is the first official meeting of the Hospitals Board and the Board of Trustees, we are delighted to have you and should be interested in finding out what is going on, and so with that I'll turn it over to Judge Duncan, the Chairman.

### UNIVERSITY HOSPITALS BOARD FIRST YEAR REPORT

Judge Duncan:

Thank you very much Mr. Chairman, and members of the Board of Trustees, President Enarson: We in the Hospitals Board appreciate the opportunity to meet with you today. We know you have had a long day, you have handled important matters, and we don't intend to burden you with lengthy remarks. We do believe, however, that it is important that we candidly report to you concerning our first year's activity. But before that, from the Hospitals Board, we would like to spread upon the records of this meeting congratulations to Dean William Wallace of the College of Dentistry, and certainly to Dean Manuel Tzagournis of The Ohio State University College of Medicine. I don't know that we know Dean Wallace as well as we expect to in the future, but we certainly have spent a delightful year working with and coming to know the strengths of Dean Tzagournis, and we know that we will enjoy working with him in the future. He is going to be an outstanding Dean of The Ohio State University College of Medicine and has been so far, and our sincere congratulations to those two persons and express our delight with their selection to this Board of Trustees.

I don't have a penchant for making presentations; however, I do find some comfort in making today's report since it is always pleasant to bring some good news. I have hopefully before you a written report which I tried to make concise. Perhaps its difficulty is it terribly understates the amount of effort that has been made by the members of the Hospitals Board. We have had great attendance in both regular, committee and special meetings, and after one year, we have come to better understand the thrust of the challenge that President Enarson related to us when we first came into being on May 2, 1980, and the first page of our report quotes President Enarson. He first started by mentioning the great awareness that we all have of health care nationally, and then he says, 'The OSU Hospitals face many of the same problems haunting community hospitals everywhere--rising costs along with rising expectations and rising resistance to cost increases. They face other pressing problems such as regulation, shortages of health professionals, etc.,' and then he next says, 'In addition to all of those they tend to become even more complicated in a University setting where teaching and research adjoins patient care,' and then he concluded by saying, 'It is not an overstatement to assert that future historians of the University will regard the formation of this University Hospitals Board as a major step in improving the health care and health sciences educational programs at the University.' Well, we believe that given realities, complexities, and so forth that he spoke of--his thinking, your Board's thinking, and the action taken to create this Hospitals Board was a prudent course of action. The Vice President for Health Sciences, the Acting Dean, now Dean of the College of Medicine, the medical staff, the hospital administration, the entire staff have all welcomed us, and I believe, would agree with us that the Board's existence is a positive. This perception is evidenced by the excellent cooperation

**UNIVERSITY HOSPITALS BOARD FIRST YEAR REPORT (contd)**

Judge Duncan: (contd)

that we have had from all of those persons. You know, I have been around Columbus for a long time, and I have been to the University Hospitals complex many, many times, and I thought I had a pretty good idea of what I understand now is 39 acres amounts to. I didn't know anything until I started following Charles Lazarus and Dr. Cramblett and Don Cramp around that complex, and my goodness, it is enormous and it is outstanding!

One of the interesting asides, along with all the other learning information I have received while a member of the Dean's Search Committee for the Dean of the College of Medicine, I did have an opportunity to talk with many outstanding medical scientists from throughout the country who came here, and to a person they all attested to the extraordinary facilities that we have on this campus, and I think that has certainly been borne out by what we know. I want to comment on the many hours and the effort that Charles Lazarus has exhibited in touring and coming to know those facilities so that he can better chair his committee and help this University. He has been outstanding.

It really doesn't make too much difference what sort of facilities you have anywhere unless you have the right kind of people. People make excellence, and I think we have those kind of people as we have come to know them more and more all the time. During our early stages of existence we went through a learning process, and we had all sorts of overviews from medical staff and the Dean of Pharmacy, from the hospital staff and all sorts of people. We have come to be fascinated by the nationally known health scientists who practice and study there, research there. A report which I have furnished you mentions some of those persons who have appeared before the Board, but even more than that many more persons have appeared before our committees. When we first began our duties it was necessary to staff our committees with members of the medical staff. At that time medical staff was not organized because they didn't have any bylaws. They still aren't completely finished with their preparation of their bylaws, but they are working on it. It is a difficult project, but they are working on it. But in the meanwhile, we needed some persons from the medical staff to staff our committees so that we could begin to operate. It was just outstanding that the sort of cooperation that we received from them by quickly conducting a very fair and reasonable election, and we are pleased to have a medical staff in place. They serve on our committees, they make outstanding contributions, they ask hard questions, and they answer hard questions so it has been a joy to work with them and I'm just pleased that Dr. Earl Metz, Vice Chairman of Medicine, has been elected our temporary Chief of Staff and he has been a very reasonable and helpful person.

The report which is before you also calls into account some recent developments in the administration of the Hospitals under Vice President Cramblett and our new Executive Director of the Hospitals, Donald Cramp. We have new people; we have some other people who have been reassigned. I have my PRIDE button on. We have a PRIDE campaign going on; we have PRIDE pencils and maybe you might think that is certainly an aside, but you know it has been helpful and I can

June 11, 1981 Joint Meeting, Board of Trustees and University Hospitals Board

**UNIVERSITY HOSPITALS BOARD FIRST YEAR REPORT (contd)**

Judge Duncan: (contd)

see some changes. There is nothing wrong with this program to appeal to pride, and I am just extremely proud of it, and I think we have a lot of people who are very excited because of Don Cramp and the people he works with about what they are doing at the Hospital; they care and I think that is going in the right direction. He has done a letter campaign emphasizing cleanliness, grooming, patient concern, and all that sort of thing. I am pleased to say that under the direction of John Wolfe, the Finance Committee has put in good procedures, and they are pulling the thing together and have had excellent cooperation from everybody on that front.

Turning now to the Board--the Hospitals Board duties and responsibilities. The bylaws which this Board has provided us which set forth a general mission statement, our general mission, oversight, and planning. The bylaws were well written, and they seem to be an adequate vehicle; nevertheless, any laws have some difficulty in the reality of application, they leave questions unanswered; and so do these. And our mission, it's awesome. And when you complicate the mission of patient care with teaching and research, then it calls into question what is this Board's function with regard to all of those. What decisions are our responsibility; what are not?

We spent a lot of time patiently brainstorming, blue skying, if you will, trying to understand that, so we felt it would be helpful--and with the suggestion of Dr. Cramblett, we asked Dr. Hogness, formerly Dean of the College of Medicine, formerly the President of the University of Washington, to come in and talk with us about the experience of our counterpart at the University of Washington. We did that. In addition, we had Mr. Atwood from Minneapolis, who was the Chairman of the Hospital's Board of the University of Minnesota. He came in and shared his perceptions of responsibility and rights and duties with us. We have heard from Dr. Cramblett, Dr. Tzagournis, Mr. Cramp, all this information about how all these things fit together in that setting, and what is this Board's responsibility with relation to each of those and all of those enterprises.

Rather plainly stated, there are no hard answers to those questions, so we just can't go out and find a matrix and lay down to use as a mold to fit ourselves into. I think what is going to happen is that the Hospitals Board's role in specificity will evolve from our experiences. There are no bright line answers available. We are going to have to do this as we go along and with effort, knowledge, and reasonableness. I think we are going to be able to find our answers, and I expect the Board is going to be able to perform its mission as set forth in the bylaws. In other words, I believe that the bylaws have been generally highly utilitarian, but there are many unanswered questions which we are working on.

We have also in addition to the standing committees provided for by our bylaws--the Hospital Facilities Committee, the Finance Committee, and the Joint Conference Committee--I have also constituted a Governmental Affairs Committee which has to do with our many, many relationships with local, state, and governmental agencies, and we have had just excellent work by the committee chaired by Wilbur Jones. We have had excellent cooperation and work from that committee.

**UNIVERSITY HOSPITALS BOARD FIRST YEAR REPORT (contd)**

Judge Duncan: (contd)

I have called your attention to what I consider to be a problem with our bylaws, and a couple of sections of the bylaws are set forth on page 8 of the report and has to do with this Board's chain of reporting responsibility. Whether it is the case that this Board has a chain of reporting responsibility up through the other areas of the academic administration of this University or is it a right arm of this Board of Trustees and has the duty to report to this Board of Trustees. There is much to be said for either position. I candidly brought it, put it in this report, brought it forth because this is a matter that is not to be hidden; it is a matter that is to be talked about and addressed, and it is a matter of concern with us, and I don't know any other way to do it than to tell you that in a proper time we would hope that you would lend your attention to it, hear all sides of this problem, and I don't believe that it will be incapable of solution if reasonableness prevails. It just most certainly should not be hidden around somewhere in the dark and allowed to fester.

Well then, I have spoken too long, but in conclusion the Hospitals Board's service has been an exciting, learning process. Working with the distinguished members of our Board has been enlightening, inside knowledge that the Hospitals are in excellent operation; that's today, and we have seen improvement, and we expect steady improvement and that kind of a relationship is comforting. All of the members of our Board fortunately have been associated with highly successful business, professional, or civic boards of all kinds. We are proud of such service. Likewise, we are proud to be associated with the women and men who work and practice at University Hospitals. This University, this community, and the people of the State of Ohio can also be proud of the total institution over there and be encouraged by the prospects for future excellence in the teaching of the health sciences and patient care. That ends my comments.

I would now like to call on the members of our standing committees. First I am going to call on Dean Emeritus Parks to give a short report concerning the activity of the Joint Conference Committee. Mr. Dean Jeffers is the Vice Chairman of the Hospitals Board and as such by the bylaws the Chairman of the Joint Conference Committee. Unfortunately we have known for a long time that Dean wasn't going to be with us today. As you all know he is winding down his tenure as Chairman, Chief Executive Officer of Nationwide Corporation, and these are busy times for him and we miss him. He has been with us all the way; very active. We are sorry he couldn't be here, and we are delighted that Dean Parks is here, and he is certainly no stranger to those of you who love this University, and he has been a great member of our Board. Dean, if you would.

**JOINT CONFERENCE COMMITTEE SUMMARY**

Dean Parks:

Mr. Chairman, Members of the Board of Trustees, and Fellow Board Members: It is indeed a pleasure for me to report for Mr. Dean Jeffers, Chairman of the Hospitals' Joint Conference Committee. Mr. Jeffers, in his absence--and I assure you



**JOINT CONFERENCE COMMITTEE SUMMARY (contd)**

Dean Parks: (contd)

he did wish to be with you—has asked that I make it known to you that he does appreciate the exceptional hard work and cooperation he has received from his committee members.

The intention of the Joint Conference Committee is to bring together principal representatives of the Hospitals Board, the Medical Faculty and Hospital Administration. The subjects discussed on each meeting agenda generally address matters of policy which impact commonly upon those areas of patient care, faculty and employee well-being. However, in our particular Hospital we also consider matters that relate not only to patient care but to teaching and research as well.

The Bylaws of the University Hospitals Board are a bit more formal and they charge our committee with such legalese as '... a forum for discussion of medical policy and practice in the University Hospitals and shall advise the Board concerning Hospitals' patient care goals, policies, standards of care, and general operating problems.'

Through the first year of the Hospitals Board's existence, we have certainly lived up to our charge. We have tackled longstanding issues of significant policy and have worked toward resolution of Hospital-wide problems. The committee meetings have been very well attended and the frank and open exchange among the professionals involved in the work of this committee has been a model of cooperation. The results have been good, with our approval of specific actions leading to positive results.

Let me take a moment to highlight some of the issues which we have discussed and at times acted upon when it has been appropriate. While I will just highlight some of these issues, I will be pleased to respond as will Dr. Cramblett or Mr. Cramp should you have questions.

One of the first issues raised by our respected Chairman, Mr. Dean W. Jeffers, was in the way of a simple question: what is the single most pressing matter to be resolved in the Hospitals at this time? The responses were remarkable and we have been working on those issues ever since. We have addressed a Pediatric Burn Policy, the ongoing accreditation of our Hospitals by the Joint Commission on Accreditation of Hospitals, the occupancy progress of Rhodes Hall (now completed), the renovation and restoration program in University Hospital, the nurse staffing program which should lead us to the opening of all beds by this year's end, and other employee policy matters. We have reviewed an informational patient survey questionnaire on a quarterly basis which serves as a report card for many components of the Hospital. One important subject has been the evolution before this Committee of the Medical Staff Bylaws. We have reviewed the Hospitals' plan for handling disasters, including fire and tornado. Also, the Hospitals' self-insurance program has been subjected to our review. We are beginning our review at this time of anesthesiology coverage for the Hospitals. We review such professional matters as the infection control within the Hospitals,

**JOINT CONFERENCE COMMITTEE SUMMARY (contd)**

Dean Parks: (contd)

receiving an in-depth report by the physician director of that program. We recently have reviewed the question raised in the media concerning the re-creation of the Columbus Hospital Federation. And too, this Committee receives and reviews all medical staff appointments to our Hospitals.

While time has permitted only this brief overview, I am hopeful that I have succeeded in presenting to you a sample capsule of the substance brought before this senior committee.

As a closing personal note, after spending so many years at this great University I am delighted to see so many improvements occurring at University Hospitals. I am pleased to be a part of the work of this distinguished Hospitals Board. I assure you that this Board absolutely has the best interests of The Ohio State University and its Hospitals first and foremost in all of its deliberations and actions.

May I again turn back to Judge Duncan for his wish to possibly accept questions or move to other reports.

Judge Duncan:

Perhaps we should go ahead with the entire series of reports and then stand for questions. I spoke with Mr. John W. Wolfe yesterday afternoon; he was on his way to Indianapolis, and he expressed regret at not being able to be here (he planned to be here). Mr. Wolfe has been an active (believe me) an active person in charge, very much in charge of the Finance Committee of our Board. Talk about the hard questions; he has really asked them; he has been a good leader, and we are pleased with his participation. I am sorry he is not here, and I express regret on his behalf. But we have another one of our active members who has been just a stalwart as she is for everything concerning this University when asked. I don't know that we have any one in this entire state more dedicated--now I am talking advisement--and more dedicated than Jo Failer, and those of you who love this University know that as well as I do. So we are pleased that she is a member of our Finance Committee, a member of our Board, and I am going to ask that she give comments concerning the activity of the Finance Committee.

**FINANCE COMMITTEE SUMMARY**

Mrs. Failer:

Mr. Chairman, President Enarson, University Trustees and Fellow Hospital Board Members: It is my pleasure to report for Mr. John Wolfe, Chairman of the Hospital Finance Committee.

The Finance Committee as constituted by the Hospital Bylaws is responsible to advise the Hospital Board on financial matters, specifically the annual review of the operating budget, monthly financial reports, and proposals to the Board and University Administration for adjusting Hospital charges for services.

**FINANCE COMMITTEE SUMMARY (contd)**

Mrs. Failer: (contd)

The first meetings of the Finance Committee were used to orient the members as to the fiscal operating philosophy and historical and current financial status of University Hospital.

We are pleased to report to you today that the Hospital is financially stable and is progressing in a businesslike manner in the conduct of its administrative and fiscal affairs.

At the close of the first ten months of the budget year 1981, the University Hospital is operating with net revenue exceeding budget by 5 per cent. Operating expenses are 2 per cent below the ten-month budget. The increased volume of patient revenue is due to activation of beds in Rhodes Hall and a higher than projected occupancy. The first ten months occupancy is 85 per cent of activated beds. This is a ten-month average, while in many services and on particular days the Hospital is experiencing occupancy in the range of 92 per cent and 93 per cent. The national average for voluntary hospitals has been an occupancy of 74 per cent. University Hospitals is 10 per cent above this average and is on a steady increase in projected occupancy.

With the increase in revenue, net accounts receivables have increased, however the days in accounts receivable have been at a steady decline since January and are currently at 85 days (or a reduction of 18 days) in the last four months.

A review of the professional practice insurance fund indicates a very strong financial position on behalf of the Hospital.

Currently the Finance Committee is making an extensive review of the Blue Cross contract and the effect upon University Hospital and the general public. Coinciding with this review a tentative Hospital budget was submitted to Blue Cross for a rate increase to be effective July 1, 1981. Since there are several issues currently under consideration a full report will be submitted by the Hospital Board at a later meeting.

The Finance Committee is scheduled to review at its first meeting in July a complete proposal from Hospital Administration on management of accounts receivable, and credit and collection, and policies for the future years.

A comparison of teaching hospital's costs was reviewed by the Finance Committee. The Ohio State University Hospitals compared favorably in all areas of cost containment as measured by that data.

While the state of the economy and the reduction of State and Federal programs will put many pressures on University Hospitals, we feel strong financial practices of the past, and proposed for the future, will allow University Hospitals to maintain and improve quality in its patient care, teaching and research programs.

**FINANCE COMMITTEE SUMMARY (contd)**

Mrs. Failer: (contd)

Mr. Wolfe would like to express his appreciation to members of this Committee who have performed well in a very complicated world of hospital finance. Members of the Committee are Dr. Cramblett, Josephine Failer, Wilbur Jones, Dr. Earl Metz, Edmund Redman, Madison H. Scott, Dr. Manuel Tzagournis (I can say Dean now), Dr. William Vandament, and John Wolfe. Mr. Boyanowski and Mr. Cramp also work with us on behalf of Hospital administration.

May I again, turn back to Judge Duncan for his wish to possibly accept questions or to move to other reports.

Judge Duncan:

Lastly, I will call on Charles Lazarus, who is Chairman of the Hospitals Facilities Committee. I can't tell you the amount of hours that this man has given of his valuable time to what goes on--there is no end. He made my back hurt with all his tours too. We certainly are pleased that you have taken this on and have spent so much time--Mr. Lazarus.

**FACILITIES COMMITTEE SUMMARY**

Mr. Lazarus:

Judge Duncan, Members of the Trustees, President Enarson: The Facilities Committee of the Hospitals has the responsibility of monitoring the condition of the Hospitals' facilities and have the responsibility for planning and recommending additions, alterations, repairs, and maintenance. It sounds like it is a simple chore; we have found out it is not quite so simple. We have been busily engaged in: (1) making complete, thorough tours of all University Hospitals facilities; (2) making an appraisal of fire and safety conditions for patients, staff, and buildings themselves; (3) making an evaluation of the physical conditions of all of the existing buildings; and (4) making an evaluation of the effective utilization of existing space and planning for future utilization of space.

With reference to the tours of the facilities and the fire and safety conditions thereof, the tours resulted in the immediate priority that resulted in our request to this Board of Trustees to use an outside consultant to review the fire and safety conditions as they currently exist in the University Hospitals buildings. This you have acted on, and we hope to have this study completed in the very near future on schedule.

With reference to an evaluation of the physical condition of existing buildings; many of the Hospitals buildings are quite old now, and we believe we are now in better shape to support Hospital administration in their needs for updating many of these existing facilities as advances are made in the field of medical science.

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**FACILITIES COMMITTEE SUMMARY (contd)**

Mr. Lazarus: (contd)

With reference to No. 4, an evaluation of the effective utilization of existing space and planning for future utilization; a complete survey has now been completed giving us current and up-to-date information on the utilization of all existing spaces for all three parts of the Hospitals mission--for patient care, for teaching, and for research.

We are now in the process of working with the Vice President for Medical Sciences and the medical staff to develop effective procedures for longer range plans for the University Hospitals in all three parts of its mission.

We have reviewed the Perkins and Will study which was presented to the Board of Trustees and we'll work with the Hospitals staff and the Vice President for Medical Sciences and his staff, and the medical staff of the Hospital to develop continuing, more specific long-range plans as well as coordinating short-range plans.

We must comment on the very excellent cooperation not only of Dr. Rosenblum, John Hodges, and the other member of the Facilities Committee but also from those members of the hospitals administrative staff, from the staff of the Vice President for Medical Affairs as well as the University administrative staff. Most all of the problems as well as the opportunities that we face involve all three.

Judge Duncan:

Members of the Board of Trustees, that concludes our report, only with the addendum that maybe we could be accused today of giving a report that is too enthusiastic, too much hyperbole, and too glorious. I don't think so. I think we have enthusiasm for what we are doing, and we have enthusiasm for the people we have come to know in the Hospitals complex. I don't mean to say for a minute that we don't have serious problems over there; we do! There are still embers flickering of past controversies; no question about that. But I think we have some people who through reasonableness are trying to rise above all that and get on with the program, and we are pleased to be associated with all such people. Mistakes have been made--bad mistakes--and I wish we could undo them but we can't, but I do believe that the future is good and that we can be of service to you in your duties as superintendents of this University. Thank you.

President Enarson:

Perhaps I might make one brief comment. I am totally confident that as the years and indeed the decades roll by there will never be a shadow of a doubt that it was an act of statecraft on the part of the Board of Trustees to create the Hospitals Board. I think that it is very clear that this is a necessary developing pattern in dealing with extraordinarily complex institutions such as we have here.

I guess the second point I would make is that in listening to these presentations, it is instantly apparent that a great deal of work has been invested by some very competent and very busy individuals. That comes through loud and clear.

June 11, 1981 Joint Meeting, Board of Trustees and University Hospitals Board

President Enarson: (contd)

I guess the third point I'd rather not get into. I started doing some mental arithmetic on what you would be charging us on an hourly basis, and I gave up in despair on that. But since the function of the University President is always to put a fair face on disaster, I would just remind you that the rest of the institution will not have even continuation budgeting next year, and after careful deliberation, I am going to recommend to the Board that your ration of coffee and fruit juice be continued without dilution and in times of inflation that is not bad.

Finally Judge Duncan and members of the Hospitals Board and members of our Ohio State University Board, without addressing what is felt to be a fairly complex and important matter of who does what, when, where, how, I would be—I feel rather reassured on that score, perhaps because of my experience in the University. The University, as I tried to explain to the Board of Trustees on so many occasions, operates in mysterious ways, fashioned in about eight centuries now of experience. It often defies logic but it works. It is like the bumblebee. The bumblebee is aerodynamically unsound. Any engineer will tell you that the bumblebee cannot fly. The University organizationally cannot operate but it does. There is ambiguity built into the very grain of the University. From time to time I am asked what exactly does a dean do and what exactly does a vice president do, or I am asked occasionally what exactly is the role of the Board of Trustees, and what exactly is the role of the President and the Board of Trustees, and the only answer I have is to toss back a question which is a nasty little old debating trick, and the question that I toss back is, tell me exactly how your marriage works; tell me exactly how you decide who does what. At an earlier age that stopped the conversation; lately, it brings on explanations that I don't really care to hear, so I think, take comfort in the thought that the Hospital, I think, the modern hospital, University Hospital, possibly next to the Catholic Church and the National Council of Churches, is the most complicated, the most complex social organization of our time. So wrestle with it with good cheer, and I can assure you that if you find ultimate clarity in these matters, I will see that you are published somewhere.

Mr. Devenow:

I would like to make reference to the remuneration that you discussed, and we will pass on to you any increases that we get. Judge, we are delighted with the work that the committee has done, and these reports indicate conscientious and devoted effort to help the Board of Trustees solve very many serious problems that we have around the clock, and, hopefully, you will take some of those off our back. I agree with President Enarson, that has been a great step forward. It was something that he had in mind, and I thought that he deserves full credit for it. I think it will be a very useful tool through the years to come to the University. Again, I am sure I speak for every trustee—we are very grateful for the time, effort, and devotion that you put into this thing.

We are open to questions, if not we are open to adjournment.

The meeting adjourned.

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTIETH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 18, 1981

Pursuant to paragraph (B) of bylaw 3335-1-01 of the Administrative Code, The Ohio State University Board of Trustees met upon the call of the Chairman, Chester Devenow, in a special meeting on Thursday, June 18, 1981, at 5:30 p.m., at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Present: Chester Devenow, Chairman, Warren J. Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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June 18, 1981 meeting, Board of Trustees

The Chairman of the Board, Mr. Devenow, called the meeting of the Board of Trustees to order at 5:30 p.m.

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### **INTRODUCTION OF MR. BERRY**

Mr. Devenow:

I am delighted to introduce Mr. John W. Berry of Dayton, Ohio, whose appointment was announced by Governor James A. Rhodes for the term beginning May 14, 1981 and ending May 13, 1990, to succeed Mrs. Patricia D. James, whose term expired.

Mr. Berry is Chairman of the Board and Chief Executive Officer of L. M. Berry and Company of Dayton and has been associated with the firm since 1940. In addition to his service now as an Ohio State trustee, he is a trustee of the University of Dayton and the Air Force Museum Foundation in Dayton. He is a member of the Board of Visitors to the University of Dayton Law School, the President's Club of Wright State University, the Advisory Council of Notre Dame University's College of Business Administration, and the Resources Committee and Alumni Council of Dartmouth College. He is a 1944 graduate of Dartmouth College. We are delighted to have you, Mr. Berry, and we need all the help we can get so we are glad you are aboard.

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Mr. Devenow:

We have a statement or resolution to be presented by Dr. Protheroe, would you bring that up now, please.

### **PRESENTATION OF LETTER BY FACULTY MEMBERS OF THE PRESIDENTIAL SEARCH COMMITTEE**

Dr. Protheroe:

The faculty members of the Search Committee, Mr. Devenow, have something of what we think is of considerable importance to bring before the Board. It is important enough that we did not want to trust it to the mail. If I may, I would like to read the letter to you.

Mr. Devenow: Please do.





The Ohio State University

Department of Astronomy

174 West 18th Avenue  
Columbus, Ohio 43210

Phone 614 422-1773

June 17, 1981

Mr. Chester Devenow, Chairman  
Board of Trustees  
The Ohio State University

Dear Mr. Devenow:

We, the undersigned faculty members of the Presidential Search Committee, are moved to bring to the attention of the Board of Trustees the following information and, if not out of order, to suggest to you a resolution for your consideration.

Whereas, Dr. John D. Jacob, Mr. Leonard J. Immke, Mr. D. James Hilliker and Mr. John F. Havens, serving as Trustee members of the Presidential Search Committee, and Mr. D. Wayne Ashby, Jr., serving as Alumni representative, did devote inordinate time and effort to the presidential search process, greatly in excess of anything which could normally be expected of busy men; and

Whereas, these gentlemen, by their activities and participation, did display a degree of care for and understanding of the University rarely encountered; and

Whereas, Mr. John F. Havens, as chairman of the Committee, was selfless in his devotion to the activity of the committee and did provide the guidance, wisdom and motivation that helped carry the committee forward in discharging its duty:

Be it resolved that these gentlemen each be recognized for exceptional service to the University community and that John F. Havens be singled out for particular note by virtue of the exemplary manner in which he chaired the Search Committee.

Respectfully submitted,

*Diether H. Haenicke*  
Diether H. Haenicke

*John B. Gabel*  
John B. Gabel

*Joan R. Leitzel*  
Joan R. Leitzel

*William M. Protheroe*  
William M. Protheroe

*William B. Shook*  
William B. Shook

*Thomas G. Skillman*  
Thomas G. Skillman

P/a

June 18, 1981 meeting, Board of Trustees

**PRESENTATION OF LETTER BY FACULTY MEMBERS  
OF THE PRESIDENTIAL SEARCH COMMITTEE (contd)**

Mr. Devenow: Thank you very much.

Mr. Smith: Mr. Chairman, I move that we accept the resolution.

Mr. Devenow: Is there a second?

Mr. Galbreath seconded the motion to accept the letter which was approved by unanimous voice vote.

Mr. Devenow:

I would like to respond to that, Dr. Protheroe. As Chairman of the Board, I know that I speak not only for the four Trustees--Jack Havens, John Jacob, Jim Hilliker and Len Immke--and for Wayne Ashby, the Alumni representative, who served on the Presidential Search Committee, but for *all* members of the Board in expressing our deep appreciation for the efforts and contributions of the University's faculty. As a matter of fact, the Board of Trustees is indeed proud of the effort put forth by all members of the Search Committee. The selfless dedication and desire to carry out this most important assignment for the University, despite the heavy work load imposed, reflect great credit on the members of the Search Committee and their commitment to the best values and traditions of The Ohio State University. The Trustees salute the faculty, students and staff of this great University for a job well done.

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The Board recessed into Executive Session for the purpose of considering personnel-related matters.

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Mr. Devenow reconvened the meeting and called on Mr. Havens to introduce a resolution.

Mr. Havens: Yes sir, I would like to introduce a resolution.

**APPOINTMENT OF DR. EDWARD H. JENNINGS AS  
PRESIDENT OF THE OHIO STATE UNIVERSITY**

In accordance with Section 3335.09 of the Ohio Revised Code, I move the appointment and election of Dr. Edward H. Jennings to the Presidency of The Ohio State University effective September 1, 1981, at the maximum salary as permitted by law as of June 18, 1981 and with all allowances, rights, privileges, perquisites, duties and responsibilities of the office and subject to such other arrangements and adjustments which may be mutually agreed upon.

June 18, 1981 meeting, Board of Trustees

**APPOINTMENT OF DR. EDWARD H. JENNINGS AS  
PRESIDENT OF THE OHIO STATE UNIVERSITY (contd)**

I further move that the Chairman of the Board of Trustees be authorized to negotiate with Dr. Jennings to formulize Dr. Jennings' relationship with The Ohio State University and to enter into any contractual relationship which he may deem necessary and appropriate consistent with this motion.

Mr. Immke seconded the motion which was followed by a roll call vote (Mr. Berry, yes; Mr. Immke, yes; Mr. Galbreath, yes; Mr. Havens, yes; Mr. Hilliker, yes; Dr. Jacob, yes; Mr. Smith, yes; Mr. Devenow, yes).

Mr. Devenow:

I would like to read a statement here before you adjourn.

Although Mr. Redman, because of prior commitments outside the city, was unable to be present for this meeting today, he has asked that he be recorded as supporting the motion presented. On the basis of this, I would like the records to reflect that Dr. Edward H. Jennings was elected unanimously by the Board to be the tenth President of The Ohio State University. I ask the Secretary of the Board of Trustees to duly note this action in the minutes.

The meeting was adjourned.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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RECORD OF PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF THE  
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1981 to June 30, 1982

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1981/82.

1981-1982

THE OHIO STATE UNIVERSITY

Harold L. Enarson, *President*  
(July 1, 1981 - August 31, 1981)

Edward H. Jennings, *President*  
(September 1, 1981 - June 30, 1982)

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
Chester Devenow, Toledo	May 14, 1973	May 13, 1982
Warren J Smith, Columbus	January 6, 1975	May 13, 1983
John D. Jacob, Columbus	May 14, 1975	May 13, 1984
Donald James Hilliker, Bellefontaine	May 14, 1976	May 13, 1985
John F. Havens, Delaware	May 14, 1977	May 13, 1986
Daniel M. Galbreath, Columbus	May 14, 1978	May 13, 1987
Edmund C. Redman, Columbus	May 14, 1979	May 13, 1988
Leonard J. Immke, Columbus	May 14, 1980	May 13, 1989
John W. Berry, Dayton	May 14, 1981	May 13, 1990
Shirley Dunlap Bowser, Williamsport	May 14, 1982	May 13, 1991

OFFICERS

Chester Devenow, Chairman  
Warren J Smith, Vice Chairman  
Madison H. Scott, Secretary  
Richard D. Jackson, Acting Treasurer  
James Lee Nichols, Treasurer\*

\* November 9, 1981

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-FIRST MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July, 10, 1981

The Board of Trustees met at its regular monthly meeting on Friday, July 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

July 10, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:15 p.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related matters.

Present: Chester Devenow, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

--o--

The meeting of the Board of Trustees reconvened at 1:30 p.m.

**RESOLUTION IN MEMORIAM**

Resolution No. 82-1

*Synopsis: A resolution honoring the service of one of this University's faculty members who has recently died is being proposed.*

RESOLVED, That the Board adopt the following Resolution in Memoriam and that the President be requested to convey a copy to the family of the deceased.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

J. Norman Staiger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 21, 1981, of J. Norman Staiger, Professor Emeritus, School of Music (College of the Arts).

Professor Staiger joined the faculty of The Ohio State University in 1946, and served in the area of choral conducting and teacher of voice, as well as being the head of the voice section for many years. He was Director of the Men's Glee Club for over thirty years, during which time the Club became known throughout the United States as a most progressive organization. The Club toured extensively and under Professor Staiger's direction appeared on the Ed Sullivan Show as well as The Voice of Firestone-TV. For many years the Club enjoyed a friendly rivalry with the University of Michigan Men's Glee Club in their annual exchange concerts.

In addition to his University activities, Professor Staiger for many years was tenor soloist at the First Community Church as well as Director and Cantorial Soloist of Temple Israel in Columbus. He had sung on several nationally famous radio programs and had appeared as a soloist in Carnegie Hall in New York City. He gained prominence in the midwest as a soloist in oratorio and church work. At the time of death, he was the choir director of Epworth Methodist Church.

Professor Staiger was born in Toledo, Ohio, in 1911, and educated in the Toledo public schools. He received his formal education at the University of Toledo where he was awarded the Bachelor of Science in Education degree in 1934, and the Master of Science degree from



July 10, 1981 meeting, Board of Trustees

**RESOLUTION IN MEMORIAM (contd)**

J. Norman Staiger (contd)

the same institution in 1937. Both of these degrees were in the field of chemistry. In 1958 he was awarded the degree Master of Arts in music from The Ohio State University. He also engaged in advanced study at the Juilliard School of Music and the Cleveland Institute of Music. Prior to his career as a member of the faculty of the School of Music, he taught English, dramatics, speech-radio, and chemistry at Maumee High School and Shaker Heights High School in Ohio.

Over the years, Professor Staiger held membership in the Music Educators National Conference, the Ohio Music Education Association, Music Teachers National Association, and National Association of Teachers of Singing.

On behalf of the University, the Board of Trustees wishes to express to his family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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**CHANGE NAME OF DEPARTMENT OF GEODETIC SCIENCE TO  
DEPARTMENT OF GEODETIC SCIENCE AND SURVEYING**

Resolution No. 82-2

*Synopsis: Name change of Department of Geodetic Science is proposed.*

WHEREAS the College of Mathematical and Physical Sciences, and the Department of Geodetic Science have requested the Department's name be changed to Geodetic Science and Surveying; and

WHEREAS the addition of the word Surveying will acknowledge a major teaching and research activity currently being provided by the Department faculty; and

WHEREAS the College of Engineering has given its support to the request:

NOW THEREFORE

BE IT RESOLVED, That the proposal as approved by the University Senate June 6, 1981, to change the name of the Department of Geodetic Science to the Department of Geodetic Science and Surveying, be adopted.

Upon motion of Mr. Berry, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

--o--

July 10, 1981 meeting, Board of Trustees

**ESTABLISHMENT OF PROGRAM LEADING TO BACHELOR OF SCIENCE IN  
DENTAL HYGIENE DEGREE**

Resolution No. 82-3

*Synopsis: It is proposed that a Bachelor of Science in Dental Hygiene Program be established.*

WHEREAS the College of Dentistry and the Division of Dental Hygiene have requested approval to offer a new baccalaureate degree, Bachelor of Science in Dental Hygiene; and

WHEREAS the Bachelor of Science in Dental Hygiene will provide an undergraduate curriculum not duplicative of either of the dual-degree programs--Bachelor of Arts/Bachelor of Science (Colleges of the Arts and Sciences) or Bachelor of Science in Education; and

WHEREAS a qualified faculty, specialized equipment, and adequate clinical opportunities for graduates of the proposed program appear generally excellent; and

WHEREAS the Council on Academic Affairs has examined the proposed program carefully and has given its unanimous endorsement:

NOW THEREFORE

BE IT RESOLVED, That the foregoing proposal from the University Senate, which was adopted June 6, 1981, be adopted; and

BE IT FURTHER RESOLVED, That this proposal be forwarded to the Board of Regents pursuant to section 3333.04(N) of the Revised Code at the direction of the President when it is determined that adequate funds are available to inaugurate the program.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-4

*Synopsis: Amendments to Rules of the University Faculty are proposed.*

WHEREAS the University Senate, pursuant to rule 3335-1-09 of the Administrative Code, is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate:

3335-3-18 Director of libraries.

Paragraphs (B) and (C) are broadened to include the University archives within the jurisdiction of the Director of Libraries.

July 10, 1981 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-19 Director of registration, records and scheduling.

The title for the duties of the director enumerated in this rule is expanded to include scheduling.

3335-5-57 Committee on honorary degrees.

Paragraph (C) specifies that a full dossier on each candidate proposed must be supplied to the Secretary of the University faculty who shall distribute the nomination report to all members of the University Senate.

3335-7-19 Course examinations.

A sentence has been added which specifies that final examinations for graduating students shall be given at a time near the end of the course.

3335-7-20 Schedules for final examination.

Examinations for graduating students shall be arranged by individual instructors so that grades may be submitted in accordance with the deadlines established by the Office of Registration, Records and Scheduling.

3335-7-261 Recalculation of cumulative point-hour ratio.

Additional paragraph added to provide for the graduate school and professional colleges to formulate appropriate modifications of this rule and to publish the rule in their bulletins.

**NOW THEREFORE**

**BE IT RESOLVED**, That the foregoing amendments to *Rules of the University Faculty*, as approved by the University Senate on June 6, 1981, be adopted by the Board of Trustees for inclusion in the next publication of this document.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**RULES**

3335-3-18 Director of libraries.

(A) The director of libraries shall be appointed by the board of trustees upon nomination of the president. Before making his nomination the president shall confer with the vice president for educational services who, in turn, shall confer with representatives of the faculty of the university libraries and with the library council.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

**RULES (contd)**

- (B) The director of libraries shall have the responsibility and authority for administering the university libraries under the jurisdiction of that office and the university archives. In the discharge of library duties the director shall be guided by the policies established by the library council (see rule 3335-5-49 of the Administrative Code). The director shall report to the president through the vice president for educational services.
- (C) Without limiting the generality of the foregoing, the director shall evaluate continuously the administrative and operating practices of the university libraries under the jurisdiction of that office and the university archives, and lead in the study of methods in improving them; recommend appointments, promotions, and dismissals under the rules of the university; and prepare for the approval of the vice president for educational services annual recommendations for the budgets for personnel and for archives and library materials.

**3335-3-19 Director of registration, records and scheduling.**

Subject to the direction of the assistant vice president for registration services, the principal duties of the director of registration, records and scheduling shall be the supervision of the details of registration and records which shall include: distribution of registration forms; distribution of approved schedules; fee assessments and adjustments; record of fee payments; maintenance of current quarter schedules; maintenance of home or permanent addresses, name and address of person(s) to be notified in case of emergency, local addresses and the respective telephone numbers of all currently enrolled students; the posting of quarters of attendance; the posting of all courses and respective marks; recording of all probations and dismissals; recording of withdrawals; recording of all degrees earned and dates; recording of all past names and other demographic data; the distribution of the official student records to include the proper confidentiality safeguards; other routine duties associated with the registration, records and scheduling of students; special projects and duties that may be assigned from time to time by the assistant vice president for registration services.

**3335-5-57 Committee on honorary degrees.**

- (C) The full dossier of each candidate and the nomination report of the committee on honorary degrees shall be delivered to the secretary of the university faculty who shall distribute the nomination report to all members of the university senate. This report shall include a statement that conveys the committee's rationale for the nomination, pertinent details concerning the qualifications of the candidate, and the name of the sponsoring department or academic unit. A ballot shall be attached to the nomination report and shall be returned to the secretary of the university faculty within a time prescribed on the ballot, but in no case less than two weeks from the date that the committee report is distributed. The secretary shall transmit to the president the nominations, together with the appropriate sections of the reports from the committee on honorary degrees, for those candidates who are endorsed by a majority of the ballots cast by the members of the university senate.

July 10, 1981 meeting, Board of Trustees

## AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)

### RULES (contd)

#### 3335-7-19 Course examinations.

At the close of each course as defined in rule 3335-7-01 of the Administrative Code, an examination will be given on the student's capabilities relative to the stated course objectives, the method of examining to be determined by the instructor or supervisor of the course. Examinations in laboratory and seminar courses shall be optional with the instructor concerned. Examinations for graduating students shall be given at a time near the end of each course, preferably during the last week of classes.

#### 3335-7-20 Schedules for final examination.

- (A) Examinations for classes taught on the regional campuses and for classes whose enrollment is exclusively of students registered in the colleges of dentistry, law, medicine, optometry, pharmacy, and veterinary medicine will be scheduled by the offices of the regional campuses and of the colleges respectively. All examination schedules prepared outside the office of registration, records and scheduling shall, before publication, be cleared with the office of registration, records and scheduling which shall have the power to resolve all conflicts.
- (B) Examinations for graduating students shall be arranged by individual instructors so that final grades for the affected students may be submitted to the office of registration, records and scheduling by the deadlines established by that office.
- (C) All other final examinations shall be centrally scheduled by the office of registration, records and scheduling. The official examination schedules shall be strictly adhered to by all instructors. Any deviation must first be approved by the appropriate university official (department chairman, regional campus dean and director, or college dean) in consultation with the office of registration, records and scheduling, which shall have the power to resolve all conflicts.
- (D) In performing its scheduling function the office of registration, records and scheduling shall limit individual examinations to two-hour duration and the total examination period to no more than five days.

#### 3335-7-261 Recalculation of cumulative point-hour ratio.

- (A) An undergraduate student who re-enrolls in the university after an absence of five or more years may petition the dean or director of his enrollment unit to recalculate the cumulative point-hour ratio of his previous residency. If the petition is approved, all courses taken will remain on the permanent record. Those with marks of "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "EM," "K," "PA," or "S" will be counted for credit only. No other marks will be counted for credit.

July 10, 1981 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

**RULES (contd)**

- (B) If the petition is approved, the student resumes his academic program with no cumulative point-hour ratio, and thereafter is subject to the conditions of warning, probation, and dismissal that govern all students (see rules 3335-9-24 to 3335-9-28 of the Administrative Code).
- (C) Under the provisions of this rule a student, before graduation, must be re-enrolled for a minimum of
  - (1) Forty-five quarter credit hours and
  - (2) Three academic quarters.
- (D) All courses ever taken at the university will be used in the calculation of the cumulative point-hour ratio required for the purposes of graduation with honors.
- (E) The graduate school and graduate professional colleges may formulate appropriate modifications of this rule, subject to approval by the council on academic affairs, and shall publish the rule in their bulletins. (B/T 6/7/79, B/T 7/10/81)

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**DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT**

Resolution No. 82-5

*Synopsis: Approval is being requested for awarding degrees and certificates for Summer Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on September 3, 1981, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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HONORARY DEGREE

Resolution No. 82-6

*Synopsis: Approval is requested for awarding an honorary degree.*

WHEREAS pursuant to paragraph (C) of rule 3335-3-03 of the Administrative Code, the President, after consultation with the Steering Committee of the University Senate, recommends to the Board of Trustees awarding of an honorary degree as listed below:

Vernal G. Riffe, Jr.

Doctor of Laws

NOW THEREFORE

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Dr. Jacob, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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President Enarson:

Next, of course, is the major item of the Board meeting and perhaps of the year. I am a little at a loss to know how to proceed on this. This was presented--I am tempted to say in painful detail--this morning by Dr. Vandament to the Fiscal Affairs Committee and to other members of the Board; I think that all but two members of the Board were with us at that time. The heart of the matter is stated, I think, very clearly in the formal budget resolution. Very, very briefly we simply presented our best judgment to the Fiscal Affairs Committee this morning in saying that the same uncertainties that provide a four-month budget dictate, we think, a four-month budget here. The time frame is such that action must be taken on any tuition increases--any increases in instructional charges--because we are only a short time period away from the Fall Quarter; so you will see a very substantial boost in tuition charges along with a change in the mix of charges. As I reported this morning, we are not making any recommendation with respect to faculty and staff salaries since we believe that issue, which is of transcendent importance, can only be resolved once the General Assembly has given this University, along with other elements of state government, a bundle of cash to use for the remainder of the year. We stressed in our presentation this morning that the action of the Ohio General Assembly is all important in terms of the quality of the enterprise in this coming year. I would underline that the instructional charges being recommended to you are for Autumn Quarter. Our hope is that some of those charges need not be levied for the remaining two quarters of the year. This was presented in detail to the Fiscal Affairs Committee to be moved by the chairman of that committee and, if acceptable, then we might be ready to answer questions if there are such.

July 10, 1981 meeting, Board of Trustees

**BUDGET - 1981-1982**

Resolution No. 82-7

*Synopsis: Continuation of expenditure authorization and fee level authorization for 1981-82 are requested.*

WHEREAS the State has adopted an interim budget for the first four months of Fiscal Year 1981-82 rather than an appropriations bill for the complete fiscal year; and

WHEREAS that interim budget bill provides funding to the University at a prorated level that is 3 percent lower than the reduced appropriation level of Fiscal Year 1980-81 and 9.8 percent lower than the original 1980-81 funding levels; and

WHEREAS final levels of State financial support for 1981-82 have not yet been established; and

WHEREAS it is prudent to defer decisions concerning salary levels and other expenditures until the General Assembly has adopted an appropriations bill determining State support; and

WHEREAS it is necessary to raise student fees to meet increasing fixed costs faced by the University during this period of fiscal uncertainty;

NOW THEREFORE

BE IT RESOLVED, That the University be authorized to make expenditures within those income levels contained in the Third Quarter Report of Fiscal Year 1980-81, adjusted for reductions in State support and changes in income from fees and charges, until the Current Funds Budget for 1981-82 is adopted; and

BE IT FURTHER RESOLVED, That the schedule of fees for the Autumn Quarter, 1981 including fee surcharges be hereby approved, and that the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including salary rolls with fees and charges for the 1981-82 fiscal year, and to file these materials with the official records of the University; and

BE IT FURTHER RESOLVED, That the University administration work to ensure that faculty and staff compensation levels finally adopted for 1981-82 be adequate to maintain the University's competitive position among major universities and make recommendations to the Board concerning the continuation or elimination of fee surcharges beyond the Autumn, 1981 Quarter.

*Background*

On July 1, the General Assembly enacted and the Governor later signed, an interim budget for the State of Ohio (Am. H.B. 638) authorizing expenditures for the period of July 1 through October 31, 1981.



July 10, 1981 meeting, Board of Trustees

**BUDGET - 1981-1982 (contd)**

- This interim budget provides subsidy and other funding for higher education at 97 percent of the reduced 1980-81 appropriation level, prorated to cover the four-month period from July through October.
- Because the reduced 1980-81 support level was 7 percent lower than originally appropriated, this interim budget funds higher education at 90.2 percent of the original 1980-81 level ( $.93 \times .97 = .902$ ) for these first four months of 1981-82.

In short, the University must get by with less State support during July-October than it received during 1980-81 when it became necessary to curtail the replacement of personnel, retrench College and Office budgets, increase student fees, cancel a mid-year salary increase, and cut sharply the University's central equipment budget.

- For this four-month period, therefore, the following cuts in State support from original 1980-81 levels will be made:

Columbus Campus Subsidy	\$-4.77M
Regional Campus Subsidy	-0.20M
Other Line-Item Funds	-0.68M
<b>TOTAL</b>	<b>\$-5.65M</b>

- Because the interim budget does not contain an annual appropriation, it is impossible to predict the total impact of future State support on the University's budget. If the reduced four-month subsidy rate of that budget were continued throughout 1981-82, the following annual cuts in State support from original 1980-81 levels would result:

Columbus Campus Subsidy	\$-14.2M
Regional Campus Subsidy	- 0.6M
Other Line-Item Funds	- 2.1M
<b>TOTAL</b>	<b>\$-16.9M</b>

- In the meantime, the University faces inflationary increases in the cost of goods and services necessary to maintain its programs. To illustrate this point, the Ohio Board of Regents recommended that the Columbus Campus receive instructional subsidies of \$165.2 million for 1981-82, accompanied by inflationary adjustments to student fees, to meet projected inflationary cost increases of 10 per cent. If annualized, the interim State budget would result in the following funding gap in State subsidy from the Regents' recommendations:

	Columbus Campus Subsidy
Regents' Request 1981-1982	\$165.2M
Interim Budget (if Annualized)	131.9M
<b>Shortfall</b>	<b>\$ 33.3M</b>

July 10, 1981 meeting, Board of Trustees

### BUDGET - 1981-1982 (contd)

- Recent statements by the Governor and the leadership of the General Assembly indicate that they are aware of the severe fiscal problems confronting higher education and other agencies dependent on State funding. It has been widely reported that the first agenda item to be addressed when the General Assembly reconvenes in September will be methods to secure additional revenues to rescue vital State programs, including higher education, from financial crisis.
- The estimation of projected 1981-82 revenues--within a reasonable margin of error--becomes nearly impossible at this time. And the actions which would follow pessimistic budget projections could have great, long-range effects on the University. For example, if the four-month subsidy levels contained in the Interim Budget (Am. H.B. 638) were continued throughout the 1981-82 year, the University's budget would necessarily call for actions to severely curtail or eliminate several programs and services, and dismiss staff working in those areas. The University by this time has absorbed as much generalized retrenchment across its Colleges and Offices as is feasible. Even if such drastic actions later proved to be unnecessary because of funding relief, the damage to programs that had been targeted for curtailment--in the form of personnel and/or enrollment losses, low morale, sponsored funding losses, etc.--could require years to remedy if premature actions were taken.

### *Conclusions*

- Given the preceding conditions, the most prudent course of action would appear to be the development of a four-month interim budget, deferring adoption of the final 1981-82 Budget until an appropriations bill is enacted for the State of Ohio. This four-month University budget must contain student fee increases sufficient to offset losses in State revenue and meet the University's fixed costs for utilities, etc. Fee increases, however, cannot be raised to a level that would offset inflationary costs as well. Thus, this four-month budget would defer salary and other budget increases until a final 1981-82 budget is enacted.
- Parallel to the adoption of a four-month University budget, procedures should be established to effect major curtailment of programs and services should such become necessary.

The University administration has been at work for some time identifying services and academic programs that must be severely curtailed or eliminated in the event that cuts of the magnitude contained in Am. H.B. 638 must be sustained on a permanent basis. During the summer months, therefore, consultation with the Vice Presidents and Deans, along with administrators of potentially affected units, will be undertaken to assess impact and to develop curtailment plans and schedules. The recommendations of the ad hoc Budget Advisory Council on criteria and principles for curtailment will be of particular value in this process.

If it becomes clear later that continuing cuts in State support require activation of curtailment plans, formal consultation processes involving affected faculty, staff, and students will be undertaken. The constituent groups to be consulted will vary with the degree to which curtailment of an activity will be felt across the University.

July 10, 1981 meeting, Board of Trustees

### BUDGET - 1981-1982 (contd)

#### *Recommendations*

- It is recommended that the Board of Trustees adopt a four-month interim budget for 1981-82, adjusted from 1980-81 levels to reflect reductions in State support, increased fixed costs which cannot be avoided, and increases in student fees.
- It is further recommended that the Instructional and General Fees be increased, effective Autumn Quarter, 1981, to produce an increase in fee income of 24 percent over 1980-81 levels. To protect access for resident undergraduate students, the proposed fee schedule contains a realignment of the fee schedule with proportionately greater increases for graduate/professional programs and non-resident student enrollment.
- It is also recommended that a portion of these fee increases be effective *only* for the Autumn, 1981 Quarter and that fee levels for the remainder of the academic year be re-evaluated following adoption of the State appropriations bill for 1981-82. It is also understood that financial aid programs for professional programs must be strengthened if students having financial need are not to be denied access to those programs.
- During the four-month interim period, the University will continue to restrict and defer expenditures, seek additional general funds revenues, and prepare for the potential curtailment of programs and services. The following actions are included.
  - Indefinite continuation of hiring freeze--i.e., replacement of personnel by exception only.
  - Continuation of freeze on central equipment replacement program.
  - Continuation of \$3.0 million College and Office retrenchment established in June, 1981.
  - Implementation of overhead cost recovery from income-producing operations.
  - Limitations on the number of course offerings and corresponding reductions in short-term instructional staff.
  - Preparations for potential curtailment and elimination of programs and services.

These recommendations are submitted to the Board with the greatest reluctance. It is extremely distasteful to recommend fee increases of this magnitude. It is also distasteful to have our faculty and staff enter the new fiscal year uncertain of their compensation levels. But the normal processes of budgeting cannot be applied in 1981-82. In the face of continuing uncertainty about State funding for the University, it is difficult to see how the Board of Trustees can solve two key issues--charges to students and compensation for staff.

Hopefully, the State will be able to resolve this uncertainty in the near future.

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981  
 (Includes Proposed Surcharges)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Undergraduate						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
Biological Sciences						
Continuing Education	0-1	\$ 63	\$11	\$ 74	\$ 59	\$ 133
Dental Hygiene	2	79	15	94	118	212
Education	3	94	21	115	178	293
Engineering	4	125	28	153	237	390
Health, Physical Education and Recreation	5	157	35	192	296	488
	6	188	42	230	355	585
Humanities	7	218	50	268	414	682
Journalism	8	250	57	307	473	780
Mathematical and Physical Sciences	9	281	64	345	533	878
	10	312	71	383	592	975
Music	11	344	78	422	651	1,073
Natural Resources	12 or more	375	85	460	710	1,170
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
The Arts						
University College						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981 (contd)  
 (Includes Proposed Surcharges)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Graduate School	0-1	\$ 63	\$11	\$ 74	\$ 83	\$ 157
	2	101	17	118	165	283
	3	152	25	177	248	425
	4	202	34	236	330	566
	5	252	43	295	413	708
	6	303	51	354	495	849
	7	354	59	413	578	991
	8	404	68	472	660	1,132
	9	455	76	531	743	1,274
	10 or more	505	85	590	825	1,415
Graduate Professional						
Law	0-3	\$ 149	\$21	\$ 170	\$ 221	\$ 391
	4	199	28	227	295	522
	5	248	35	283	369	652
	6	298	42	340	443	783
	7 or more	595	85	680	885	1,565
Medicine	0-3	\$ 264	\$21	\$ 285	\$ 295	\$ 580
	4	348	28	376	393	769
	5	440	35	475	492	967
	6	528	42	570	595	1,165
	7 or more	1,055	85	1,140	1,180	2,320
Dentistry Optometry Veterinary Medicine	0-3	\$ 217	\$21	\$ 238	\$ 295	\$ 533
	4	286	28	314	393	707
	5	361	35	396	492	888
	6	433	42	475	590	1,065
	7 or more	865	85	950	1,180	2,130

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981 (contd)  
 (Includes Proposed Surcharges)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Executive M.B.A.	0-9	\$ 755	\$45	\$ 800	\$ 415	\$1,215
	16 or more	1,515	85	1,600	825	2,425
University Regional Campuses						
Undergraduate	0-1	\$ 63	\$11	\$ 74	\$ 59	\$ 133
	2	79	14	93	118	211
	3	94	17	111	178	289
	4	125	23	148	237	385
	5	157	29	186	296	482
	6	188	35	223	355	578
	7	218	41	259	414	673
	8	250	47	297	473	770
	9	281	53	334	533	867
	10	312	58	370	592	962
	11	344	65	409	651	1,060
12 or more	375	70	445	710	1,155	
Graduate	0-1	\$ 63	\$11	\$ 74	\$ 83	\$ 157
	2	101	14	115	165	280
	3	152	20	172	248	420
	4	202	28	230	330	560
	5	252	35	287	413	700
	6	303	42	345	495	840
	7	354	48	402	578	980
	8	404	56	460	660	1,120
	9	455	62	517	743	1,260
	10 or more	505	70	575	825	1,400

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981 (contd)  
(Includes Proposed Surcharges)

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$74 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$74 for zero or one credit hour.

Graduate professional students (those enrolled in any quarter, term, or period for seven or more credit hours) will be assessed full fees. Fees for graduate professional students enrolled for six or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the minimum fee for fewer than three credit hours being the fee for three credit hours.

July 10, 1981 meeting, Board of Trustees

**BUDGET - 1981-1982 (contd)**

Mr. Hilliker:

I'll so move that this expenditure authorization and fee level authorization be approved.

Mr. Devenow: Is there a second?

Mr. Immke: I'll second it.

Mr. Devenow: Any discussion?

Mr. Smith:

I'll just make one comment to emphasize what Mr. Pritchard said. I think with fee increases of the size we are contemplating, we really do get to the question of accessibility to this University, and it is something that has been held out to the people in the State. I think, you know, that the Board has reviewed this and we don't have alternatives; we absolutely don't. But that is now, I think, a critical matter when we increase fees by 24 or 25 percent.

President Enarson:

Let me just react very quickly. I share your concern. I don't think anybody knows exactly the extent to which price dictates the use of this precious quality--commodity we call education. Furthermore, the matter of access, as I am sure we all know, is compounded very substantially by the diminution in support--financial aid for students--those programs are jeopardized as they have not been in memory. I think the cumulative effect of this will begin to be felt. Incidentally, whether that will be felt immediately or not I confess I don't know. One line of speculation is that as students encounter increasingly difficult financing problems, as they run out of money, we may see a sag in enrollment in the two quarters; in which case you have that worst of all trends--you have a circular process in which income goes down at a time when costs have been fixed for the year. Now, we have taken one small step to try to help with respect to the increases in fees in professional schools. Some of the increased dollars collected will be held back or rather appropriated to increase financial aid, but I hasten to add that we don't have the resources to provide financial aid to the needy here.

The foregoing resolution was adopted by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-8

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 11, 1981 meeting of the Board, including the following Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

Medical Staff Appointments

Name	Appointment	Clinical Division
Effective May 13, 1981		
Richard Coe Bump, M.D.	Attending Staff	Obstetrics and Gynecology
Effective June 1, 1981		
Jose C. Munoz, M.D.	Limited Staff	Anesthesiology

Leaves of Absence Without Salary

POUL M. HANSEN, Professor, Department of Food Science and Nutrition, effective October 1, 1981 through November 30, 1981, to work with the National Dairy Research Institute in India.

KENNETH NAYLOR, Professor, Department of Slavic and East European Languages and Literatures, effective April 1, 1982 through June 30, 1982, to accept a Fulbright lectureship in Yugoslavia.

ROY BEN BUCKNER, Associate Professor, Department of Geodetic Science, effective October 1, 1981 through December 31, 1981, to accept a teaching position at California State University at Fresno.

FRANK KIDDER UPHAM, Associate Professor, College of Law, effective October 1, 1981 through September 30, 1982, to accept a Visiting Professorship of Law at Harvard University.

RICHARD MORGAN BROWN, Assistant Professor, Department of Art, effective October 1, 1981 through September 30, 1982, to do graduate research in architecture at Harvard University.

July 10, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Leaves of Absence Without Salary (contd)

ALBERT KEIDEL, III, Assistant Professor, Department of Economics, effective October 1, 1981 through September 30, 1982, to pursue and publish scholarly research on China.

MARY MCGANN, Assistant Professor, Department of English, effective October 1, 1981 through September 30, 1982, to accept an appointment at the University of Warsaw.

GENE E. MUMY, Assistant Professor, Department of Economics, effective October 1, 1981 through September 30, 1982, to accept a visiting appointment at Johns Hopkins University.

JANET ELLEN THOMASON, Assistant Professor, Department of Political Science, effective October 1, 1981 through September 30, 1982, to engage in research at the Public Research Institute of the University of Rochester in Washington, D. C.

Professional Improvement Leaves

LEO E. LIPETZ, Professor, Division of Sensory Biophysics, effective Autumn Quarter 1981.

JIM G. POLSON, Assistant Professor, Cooperative Extension Service, change from Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982 to September 1, 1981 through May 28, 1982.

Emeritus Titles

HENRY R. ANGELINO, Department of Psychology, with the title Professor Emeritus, effective July 1, 1981.

VERL L. HOUSE, Department of Genetics, with the title Professor Emeritus, effective July 1, 1981.

CHARLES B. SMITH, Department of Civil Engineering, with the title Professor Emeritus, effective July 1, 1981.

HAROLD C. TRIMBLE, Academic Faculty of Science and Mathematics Education, with the title Professor Emeritus, effective July 1, 1981.

FLOREN V. JAMES, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1981.

SUZANNE E. SCHROEDER, School of Health, Physical Education and Recreation, with the title Associate Professor Emeritus, effective July 1, 1981.

July 10, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

LOWELL WILSON, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1981.

GILMAN D. KIRK, Department of Surgery, with the title Assistant Professor Emeritus, effective July 1, 1981.

ERYK TALATKIELPSZ, University Libraries, with the title Assistant Professor Emeritus, effective July 1, 1981.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-9

*Synopsis: The reports on contracts, grants, and gifts and the summary for May are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of May 1981, be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MAY 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	53	\$2,428,544.00
Engineering Experiment Station	50	313,606.00
		\$2,742,150.00
The Ohio State University Development Fund	Gifts	
April	5,354	\$1,068,032.62
May	3,043	\$1,208,851.48

Change in Description of Named Fund

Albert A. Levin Memorial Award Fund  
(Purpose changed from senior  
writing the best essay on the  
lawyer's responsibility to the  
community to student earning  
highest grade in required courses  
in professional responsibility)

Report from Presidents Club

Members to date	4,467
1981 members: year to date	61
New members - May 1981	14

New Presidents Club Members - May 1981

Ann N. Blackwell (Mrs. Roger D.)	Ira Nutis
Thomas H. Brinker	Thomas S. Paulucci
Kenneth C. Farrell	Ronald D. Rivers
Walter W. Gast	Howard C. Runyeon
Elizabeth W. Koeberer	Margaret E. Soteriades (Mrs. Chris)
Anthony N. Latona	John N. Teteris
Gene A. Newsom	Richard A. Zager

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$126,247.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pharmacology of ICRF-159 Related Analogues, College of Pharmacy (D. T. Witiak), Department of Microbiology and Cancer Research Center (B. S. Zwilling), and Department of Veterinary Pathobiology (A. Koestner), 1 May 1981 through 30 April 1982. (Project 761586 - Continuation)

\$107,679.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, The *in Vivo* Growth of Staphylococci, Department of Medical Microbiology and Immunology (F. A. Kapral), 1 June 1981 through 31 May 1982. (Project 762330 - Continuation)

\$106,892.00 - Environmental Protection Agency, Washington, D. C., DNA Damage in Human Lymphocytes as Indicators of Carcinogen Exposure, Departments of Radiology and Pharmacology (S. M. D'Ambrosio) and Department of Medicine (R. L. Whisler), 1 May 1981 through 30 April 1982. (Project 762158 - Continuation)

\$105,443.00 - Department of Energy, Morgantown Energy Technology Center, Morgantown, West Virginia, Stress Trajectory and Advanced Hydraulic Fracture Simulations for the EGSP, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 30 April 1981 through 29 January 1983. (Project 762666 - New)

\$99,947.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Acoustic and Performance Evaluation of General Aviation Propellers by Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and K. D. Korkan) and Department of Aviation (G. S. Weislogel), 1 June 1981 through 15 May 1982. (Project 761471 - Continuation)

\$90,517.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Polycondensed Alicyclics and Their Antiviral Role, Department of Chemistry (L. A. Paquette), 1 May 1981 through 30 April 1982. (Project 763920 - Continuation)

\$90,000.00 - Department of Education, Office of Special Education and Rehabilitative Services, Office of Special Education, Washington, D. C., Regular Education Inservice (Comprehensive Vocational Education for All Handicapped Persons: Inservice Support for Transition from Education to Work), National Center for Research in Vocational Education (R. E. Taylor), 1 June 1981 through 31 May 1982. (Project 762183 - Continuation)

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$85,370.00 - National Science Foundation, Washington, D. C., Synthesis and Isomerization Reactions of Novel Alicyclic Molecules, Department of Chemistry (L. A. Paquette), 1 September 1981 through 31 August 1982. (Project 761850 - Continuation)

\$79,849.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Biotransformation of M-Amsa and Related Analogues, College of Pharmacy (L. Malspeis), 1 April 1981 through 31 March 1982. (Project 762091 - Continuation)

\$76,432.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Construction of Vehicle Tracking System, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda and M. A. Poirier), 1 March 1981 through 30 September 1982. (Project 762639 - New)

\$75,754.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Diazo, Diazirino, Azoxy and Novel Heterocyclic Compounds, Department of Chemistry (H. Shechter), 1 April 1981 through 31 March 1982. (Project 762793 - Continuation)

\$72,959.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO<sub>2</sub> Concentration, Department of Physiology (A. L. Kunz), 1 April 1981 through 31 March 1982. (Project 761572 - Continuation)

\$61,243.00 - Department of Labor, Washington, D. C., The Industrial Demand for Retirement Aged Labor, Department of Economics (D. O. Parsons), 20 April 1981 through 19 July 1982. (Project 762668 - New)

\$59,999.00 - National Science Foundation, Washington, D. C., A Theoretical and Experimental Study of a Potential Mobile System for Evaluating Electrical Parameters of the Earth, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 1 May 1981 through 30 April 1983. (Project 762670 - New)

\$53,155.00 - Environmental Protection Agency, Washington, D. C., The Role of Environmental Temperature in Carcinogenesis, Department of Physiology (H. Weiss), 14 April 1981 through 13 April 1982. (Project 762133 - Continuation)

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$53,000.00 - National Science Foundation, Washington, D. C., Magnetic Resonance in Ferromagnetic Domain Walls, Department of Physics (P. E. Wigen), 1 July 1981 through 30 June 1982. (Project 762292 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D. C., Modelling, Control, and Simulation of Human Locomotion, Department of Electrical Engineering (H. Hemami), 1 July 1981 through 30 June 1982. (Project 761570 - Continuation)

\$49,986.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Measurement of Surface Ship Radar Backscatter at HF for Target Identification Studies, Department of Electrical Engineering, ElectroScience Laboratory (A. Ksienski, E. Walton, and J. Young), 1 April 1981 through 31 March 1982. (Project 762636 - New)

\$48,864.00 - Department of the Air Force, Air Force Office of Scientific Research (AFSC), Bolling Air Force Base, D. C., Ignition, Combustion, Detonation, and Arresting of Combustion Waves in Unconfined and Confined Reactive Mixtures, Department of Aeronautical and Astronautical Engineering (R. Edse), 1 May 1981 through 30 April 1982. (Project 761050 - Continuation)

\$48,495.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Effects of Dietary Change on Lipid Biosynthesis, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1981 through 30 April 1982. (Project 764415 - Continuation)

\$47,375.00 - National Science Foundation, Washington, D. C., Maintenance of the *Bacillus* Genetic Stock Center, Department of Microbiology (D. H. Dean), 1 August 1981 through 31 July 1982. (Project 762225 - Continuation)

\$46,803.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis of Substituted Polycyclic Hydrocarbons, Department of Chemistry (M. S. Newman and D. W. Meek), 1 June 1981 through 31 May 1982. (Project 761809 - Continuation)

\$44,260.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Strategies to Disrupt Pregnancy in the Tsetse Fly, Department of Entomology (D. L. Denlinger), 1 May 1981 through 30 April 1982. (Project 762136 - Continuation)

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$43,680.00 - National Science Foundation, Washington, D. C., Extension of Complex Coordinate and Complex Basis Function Techniques to Molecular Systems: Resonances and Photoionization, Department of Chemistry (C. W. McCurdy, Jr.), 1 November 1981 through 31 October 1982. (Project 761834 - Continuation)

\$42,992.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 May 1981 through 30 April 1982. (Project 761628 - Continuation)

\$42,000.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. Walter, R. Marhefka, and R. Rudduck), 9 March 1981 through 31 July 1982. (Project 761784 - Continuation)

\$35,378.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Acoustic Wave Scattering by Finite Cylindrical Elastic Shells of Revolution Immersed in Water, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 February 1981 through 31 October 1981. (Project 762608 - New)

\$34,988.00 - Department of the Army, Waterways Experiment Station-Corps of Engineers, Vicksburg, Mississippi, Development of a Theoretical Model for "Leaky" Ported Coaxial Cable Embedded at a Uniform Depth in a Lossy Half Space, Department of Electrical Engineering, ElectroScience Laboratory (J. Richmond and R. Garbacz), 1 May 1981 through 30 November 1981. (Project 762219 - Continuation)

\$34,864.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Spectral Sensitivities of Turtle Photoreceptors, Division of Sensory Biophysics (L. E. Lipetz), 1 June 1981 through 31 May 1982. (Project 762642 - New)

\$34,521.00 - National Science Foundation, Washington, D. C., Structural Studies of Small Linear Cluster Models for Metal Surfaces and Catalysts, Department of Chemistry (G. G. Christoph), 1 August 1981 through 31 July 1982. (Project 761853 - Continuation)

\$29,075.00 - Agency for International Development, Washington, D. C., Vocational Training Assistance in Jordan, National Center for Research in Vocational Education (R. E. Taylor), 14 November 1980 through 13 December 1981. (Project 762473 - Continuation)



July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$24,000.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., Ultrasonic Methods to Study Shadow Boundaries of Diffracting Cracks, Department of Welding Engineering (L. Adler), 1 May 1981 through 31 March 1982. (Project 762638 - New)

\$23,516.00 - National Science Foundation, Washington, D. C., Structure Theorems for Graphs and Matroids and Discrete Optimization, Department of Mathematics (P. Seymour), 1 July 1981 through 30 June 1983. (Project 762660 - New)

\$21,924.00 - National Science Foundation, Washington, D. C., The Banach-Mazar Distance Between Finite Dimensional Spaces and Projection Constants, Department of Mathematics (W. J. Davis and J. Lindenstrauss), 1 July 1981 through 30 June 1982. (Project 762659 - Continuation)

\$18,054.00 - National Science Foundation, Washington, D. C., Inverse Spectral Theory and Concrete Aspects of Periodic Solitons, Department of Mathematics (M. G. Forest), 1 July 1981 through 30 June 1983. (Project 762293 - Continuation)

\$12,000.00 - Solar Energy Research Institute, Golden, Colorado, Efficiency of Photochemical Cells, Department of Biochemistry (R. T. Ross), 1 February 1981 through 31 December 1981. (Project 762020 - Continuation)

\$11,154.00 - Sandia Laboratories, Albuquerque, New Mexico, Stress and Failure Evaluations Associated with Selected Coal Mine Pillar-Panel Configurations, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 20 April 1981 through 31 December 1981. (Project 762590 - Continuation)

\$6,000.00 - National Endowment for the Arts, Washington, D. C., Public Film, Photography and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1981 through 31 December 1981. (Project 762667 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$2,094,415.00**

**State of Ohio Research Contracts/Grants**

\$44,951.00 - State of Ohio, Department of Natural Resources, Office of Civilian Conservation, Columbus, Ohio, Youth Conservation Corps Resident Camp at Barnebey Center for Environmental Studies, School of Natural Resources (J. M. Dowdy and R. E. Roth), 21 April 1981 through 30 September 1981. (Project 762669 - Continuation)

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$19,419.00 - State of Ohio, Department of Natural Resources, Division of Wildlife, Columbus, Ohio, Management of Muskingum Mussel Populations Project Plan, Ohio Biological Survey (C. C. King) and Department of Zoology (D. H. Stansbery), 1 May 1981 through 30 April 1982. (Project 761946 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 64,370.00

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$48,531.00 - West Virginia Public Service Commission, Charleston, West Virginia, A Program to Provide Technical Assistance to the West Virginia Public Service Commission in Consideration of PURPA Section 111 Standards for the Potomac Edison and Monongahela Power Companies, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 19 March 1980 through 30 June 1981. (Project 762086 - Continuation)

\$39,997.00 - Control Data Corporation, Minneapolis, Minnesota, Development of a Taxonomy of Instructional Strategies, Academic Faculty of Educational Foundations and Research (K. A. Hall), 1 January 1981 through 31 December 1982. (Project 762672 - New)

\$32,625.00 - Rocky River City School District, Rocky River, Ohio, The Martin W. Essex School for the Gifted, Academic Faculty for Exceptional Children (T. M. Stephens and S. E. McCormick), 1 January 1981 through 31 December 1982. (Project 762662 - Continuation)

\$30,756.00 - Merck and Company, Rahway, New Jersey, Effect of Ivermectin Against Benzimidazole-Resistant Horse Strongyles, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Clinical Sciences (A. A. Gabel), 1 March 1981 through 28 February 1982. (Project 762664 - New)

\$30,000.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Exemplary Dental Services for the Handicapped, Nisonger Center for Mental Retardation (E. S. Sterling), 1 July 1981 through 30 June 1982. (Project 762671 - New)

\$16,927.00 - Buck Engineering Company, Inc., Farmingdale, New Jersey, Needs Assessment Survey: Chile/Buck Engineering, National Center for Research in Vocational Education (R. E. Taylor), 20 May 1981 through 30 June 1981. (Project 762673 - New)

\$15,000.00 - World Health Organization, Special Programs for Research and Training in Tropical Diseases, Geneva, Switzerland, *In Vitro* Culture of Sporogonic States of *Plasmodium falciparum*, Department of Entomology (W. F. Hink), 1 June 1981 through 30 November 1981. (Project 761658 - Continuation)

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$14,000.00 - U. S.-Spanish Joint Committee for Scientific and Technological Cooperation, Madrid, Spain, Paleomagnetic Study of Upper Carboniferous Coal-Bearing Strata in Northwest Spain, Department of Geology and Mineralogy (H. C. Noltmimer), 1 April 1981 through 31 December 1981. (Project 761703 - Continuation)

\$10,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 April 1981 through 30 April 1981. (Project 762563 - Continuation)

\$10,000.00 - The Weight Watchers Foundation, Inc., Manhasset, New York, Role of Endorphins in Obesity, Department of Pharmacology (G. A. Tejwani), 1 July 1981 through 30 June 1982. (Project 762665 - New)

\$9,999.00 - The Colorado Public Utilities Commission, Denver, Colorado, Technical Assistance with Electric Seasonal Rates for Colorado-UTE Electric Association, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 1 September 1980 through 30 April 1981. (Project 762658 - New)

\$9,600.00 - Lockheed Missiles and Space Company, Sunnyvale, California, Basic Computer Code Development, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter and R. J. Marhefka), 22 April 1981 through 23 October 1981. (Project 762661 - New)

\$2,324.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 13 May 1981 through 31 May 1982. (Project 762217 - Continuation)

TOTAL - INDUSTRIAL PRIVATE, AND OTHER NON-  
FEDERAL RESEARCH CONTRACTS/GRANTS \$ 269,759.00

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$313,606.00 - various sponsors, for 50 development projects under the direction of eight departments and research areas.

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$153,970.00 - The Procter and Gamble Company, Cincinnati, Ohio--\$111,470.00 for Clinical Pharmacology Fund and \$42,500.00 for Toxic Shock Research Fund.

\$150,000.00 - Battelle Memorial Institute, Columbus, Ohio--\$100,000.00 for Friends of WOSU Endowment Fund; \$25,000.00 for Forced Convection Techniques Applied to Corrosion Problems; and \$25,000.00 for Fluidized Bed Dynamics and Reaction Kinetics Fund.

\$35,100.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$33,300.00 - Estate Under the Will of Ethel Neidigh, State College, Pennsylvania, for Maurice W. Neidigh Scholarship Fund.

\$30,000.00 - Amoco Foundation, Inc., Chicago, Illinois, for Advanced Design Methods Laboratory-Mechanical Engineering.

\$28,750.00 - E. I. duPont de Nemours & Company, Wilmington, Delaware--\$27,750.00 for Clinical Pharmacology Fund and \$1,000.00 for Agronomy Weed Research.

\$22,500.00 - The Standard Oil Company, Cleveland, Ohio--\$12,500.00 for Early Start Program; \$7,500.00 for Mining Engineering Scholarships; and \$2,500.00 for Women in Engineering Scholarship Fund.

\$21,045.00 - Pfizer, Inc., Groton, Connecticut--\$13,795.00 for Clinical Pharmacology Fund and \$7,250.00 for Cancer Research Center Fund.

\$20,000.00 - Charles W. Carroll, Burton, Ohio, for Presidents Club Special Fund.

\$20,000.00 - The A. E. Convers Fund of The Cleveland Foundation, Cleveland, Ohio, for furtherance of extension work in Cuyahoga County.

\$20,000.00 - The Merck Company Foundation, Rahway, New Jersey--\$12,000.00 for Immune Response to Small Natural Peptides and \$8,000.00 for Merck & Co. Fellowship Fund for Chemistry.

\$15,000.00 - Wilson B. Baugh, D.D.S., San Bernardino, California, for Anesthesia Research and Education Enhancement Fund.

\$12,800.00 - Central Ohio Technical College, Newark, Ohio, for Newark Campus Scholarship Fund.

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$12,500.00 - Huntington National Bank, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$12,500.00 - Landmark, Inc., Columbus, Ohio (given in the names of George Wollenslegel, Ralph Hughes, and Dick Weisenstein), for Landmark - OARDC.

\$12,299.55 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$12,000.00 - Armour Pharmaceutical Company, Kankakee, Illinois, for Lipid Research.

\$10,000.00 - Saalfield & Robinson, Inc., Toledo, Ohio, for Civil Engineering Construction Operations Simulation Laboratory Fund.

\$10,000.00 - Uniroyal, Inc., Naugatuck, Connecticut, for Endowed Professorship in Plant Protection.

\$8,000.00 - Summer and Company, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$7,000.00 - Conoco, Inc., Ponca City, Oklahoma, for Conoco Fellowship in Chemistry.

\$6,600.00 - Estate Under the Will of Jessie Emerson Browne, San Francisco, California, for Leland and Jessie Browne Scholarship Fund.

\$6,500.00 - Occidental Research Corporation, Irvine, California, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$6,000.00 - Hanna Chemical Coatings Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,997.68 - Estate Under the Will of Ruth L. Higgins, Columbus, Ohio, for Ruth L. Higgins Scholarship Fund.

\$5,739.00 - Trust Under the Will of Sara Jane Pyne, Columbus, Ohio, for Sara Jane Pyne Memorial Scholarship Fund in the Visual Arts.

\$5,500.00 - Owens-Corning Fiberglas Corporation, Toledo, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Alcoa Foundation, Pittsburgh, Pennsylvania, for Alcoa Foundation Scholarship Fund.

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$5,000.00 - Anderson Concrete Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - The Cincinnati Gas & Electric Company, Covington, Kentucky, for Ohio Electric Utility Institute Fellowship Fund.

\$5,000.00 - Columbus Bituminous, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Ives Laboratories, Inc., New York, New York, for Clinical Pharmacology of Dobutamine-Eli Lilly and Company.

\$5,000.00 - T. James Kavanagh Foundation, Newton Square, Pennsylvania, for Ohio Florists Association Special Fund.

\$5,000.00 - Mobil Foundation, Inc., Paulsboro, New Jersey, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$5,000.00 - Ohio State University Dental Alumni Association, Worthington, Ohio, for Dental Students Emergency Fund.

\$5,000.00 - Vinton County National Bank, McArthur, Ohio, for Vinton County-Furtherance of Extension Work.

\$5,000.00 - Wolfe Association, Inc., Columbus, Ohio, for Cancer Research Center Fund.

**Gifts-in-Kind**

\$20,890.00 - Mrs. Harvey S. Firestone, Jr., Akron, Ohio, designer clothes.

\$8,000.00 - Dr. T. F. Classen, Chagrin Falls, Ohio--\$6,000.00, 13-year-old Irish Hunter gelding, Avacado and \$2,000.00, 12-year-old mare, Charity.

**Change in Description of Named Fund**

**Albert A. Levin Memorial Award Fund**

The Albert A. Levin Memorial Award Fund was established October 8, 1969, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University through The Ohio State University Development Fund from Albert A. Levin, LL.B. '34, formerly of Cleveland, Ohio.

July 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Change in Description of Named Fund (contd)

**Albert A. Levin Memorial Award Fund (contd)**

This bequest is to be invested in the University's Investment Portfolio under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to present an award to the student or students earning the highest grade in the required courses in Professional Responsibility in the College of Law.

Should the need for these awards cease to exist or so diminish as to provide unused income, or should the College of Law cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in law.

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-10

*Synopsis: Employment of architectural/engineering firms and request for construction bids pending final approval of the Capital Appropriations Bill 552 for 1981-82 Biennium.*

WHEREAS the Capital Bill under consideration for the State of Ohio includes funds for several projects for The Ohio State University Main Campus and Regional Campuses; and

WHEREAS, since this is a one-year bill, it is imperative that plans for these projects be completed as soon as possible after the Bill passes; and

WHEREAS, the following list of projects are currently planned from funds included in the 1981-82 Capital Improvements Bill:

Line Item Projects

- Agricultural Technical Institute, Phase III
- Bee Laboratory Replacement
- Community Extension Center Building
- Jesse Owens Plaza and Track
- Lake Erie Research, Center for
- Mansfield Branch--Renovations and Campus Improvements
- Marion Branch, Phase III

July 10, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

Utilities and Renovation

Agricultural Administration Building Remodeling  
Biological Sciences Library Remodeling  
Child Development Laboratory  
Classroom Improvements  
Dentistry Laboratory Renovation  
Don Scott Field Area Road Improvements  
Elevator Replacements-Project B  
Energy Management Improvements  
Evans Laboratory - Air Conditioning and Ventilation Systems  
Exhaust System Improvements - Koffolt Lab and Parks Hall  
Hazardous Waste Incinerator  
Lima Campus  
Mansfield Campus  
Marion Campus  
Masonry Improvements-Project B  
McCracken Power Plant Improvements  
McCracken Power Plant - Renovate No. 7 Boiler  
Newark Campus  
Poultry Science Sanitary Sewers  
Stadium Drive Bridge, Pedestrian Bridge and Road Improvements  
Veterinary College Building Improvements

**NOW THEREFORE**

**BE IT RESOLVED**, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for each project listed above from lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

**BE IT FURTHER RESOLVED**, That the Vice President for Business and Administration be authorized to proceed to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time; and

**BE IT FURTHER RESOLVED**, That all final actions related to the employment of architectural/engineering contracts and construction contracts for these projects will be dependent upon passage of the pending Capital Appropriations Bill of the State of Ohio for The Ohio State University for Fiscal Year 1981-82, and appropriate Ohio Board of Regents approvals.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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July 10, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS**

Resolution No. 82-11

*Synopsis: Employment of architectural/engineering firms for projects funded by the pending Capital Appropriations Bill 552 for the 1981-82 Biennium.*

WHEREAS, the Capital Bill under consideration for the State of Ohio includes funds for several projects for The Ohio State University Main Campus; and

WHEREAS, since this is a one-year bill, it is imperative that plans for these projects be completed as soon as possible after the Bill passes; and

WHEREAS, the following list of projects are currently planned from funds included in the 1981-82 Capital Improvements Bill:

Line Item Projects

- Agricultural Engineering Building (Planning Funds)
- Cancer Institute Hospital
- Cancer Radiation Therapy (Planning Funds)
- Geriatric Center
- Health Center Access Improvements
- McPherson Laboratory (Planning Funds)
- Ohio Arthritis Center
- Veterinary Sciences Facility (Planning Funds)

Utilities and Renovation Projects

- Arps Hall Renovation (Planning Funds)
- Don Scott Sanitary Sewers (Planning Funds)
- Hamilton Hall Renovation (Planning Funds)
- Townshend Hall Renovation (Planning Funds)
- Water Distribution Improvements (Planning Funds)

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural engineering firm for each project listed above from lists of firms requested from and provided by the Department of Administrative Services; and that the fees for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That all final actions related to the award of architectural/engineering contracts for these projects will be dependent upon passage of the pending Capital Appropriations Bill of the State of Ohio for The Ohio State University for Fiscal Year 1981-82 and appropriate Ohio Board of Regents approval.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 82-12

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**CONVERSE HALL - ALTERATION OF HEATING SYSTEM**

**Project:** Fin tube type hot water radiator units will be added to selected rooms in basement, first floor, second floor, and third floor areas for better temperature control in these rooms. New hot water supply and return lines will be connected to existing mains in the basement of the building.

**Funding:** Budget Account 885127

**Estimated Project Cost:** \$32,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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President Enarson:

Under awards--contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures, and the committee heard the report on these projects in considerable detail, and I see really no point in going through these seriatim this afternoon. It may be that the chairman of the committee will wish to summarize for the benefit of members not present this morning some of the substance of the discussion on one element of concern and the approach that the Board proposes. I am talking of the 'set-aside' matter here. We do recommend--or rather the Fiscal Affairs Committee did recommend the customary motion which is in effect for accepting the report as hereby reported.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-13

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**CHEMICAL INSTRUMENTATION CENTER**

Description: This remodeling project provides space for a Chemical Instrumentation Center on the first floor of Johnston Laboratory to house various laboratories and support offices.

**General Contract**

Date Received:	June 11, 1981
No. of Bids:	10
Low Bid:	\$ 74,040.00*
High Bid:	\$112,000.00*
Estimate of Cost:	\$ 95,741.00*
Awarded to:	Ed Ross Construction Co., Westerville, Ohio

**Plumbing Contract**

Date Received:	June 11, 1981
No. of Bids:	6 ,
Low Bid:	\$ 36,800.00
High Bid:	\$ 61,300.00
Estimate of Cost:	\$ 24,238.00**
Awarded to:	Bruner Corporation, Columbus, Ohio

\* Recommended alternates reflected in these figures.

\*\*Please note that Item No. 2 - Plumbing Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**CHEMICAL INSTRUMENTATION CENTER (contd)**

**Heating, Ventilating, and Air Conditioning Contract**

Date Received:	June 11, 1981
No. of Bids:	6
Low Bid:	\$ 39,540.00*
High Bid:	\$ 46,569.00*
Estimate of Cost:	\$ 36,567.00* **
Awarded to:	Farber Corporation, Columbus, Ohio

**Electrical Contract**

Date Received:	June 11, 1981
No. of Bids:	9
Low Bid:	\$ 23,240.00
High Bid:	\$ 34,821.00
Estimate of Cost:	\$ 38,475.00
Awarded to:	Claggett Electric Company, Inc., Columbus, Ohio

**Total All Contracts: \$173,620.00**

**Total Contingency Allowance: \$ 13,346.45 which is 8 per cent of construction contracts**

**Total Project Cost: \$214,353.00**

**Funding: Budget Account 885090**

\* Recommended alternates reflected in these figures.

\*\*Please note that Item No. 3 - Heating, Ventilating, and Air Conditioning Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENERGY MODIFICATIONS TO BUILDINGS - PHASE V (PROJECT "A")  
(FAWCETT CENTER FOR TOMORROW, FOUNDERS HALL,  
HEALTH SCIENCES LIBRARY)**

Description: Modifications to continue the ongoing energy conservation. Work includes modifications to existing centrifugal chiller in Fawcett Center which is estimated to save \$21,812.00 annually with a two-year four-month payback; replacement of existing 316 ton absorption chiller and electrical centrifugal chiller in Health Sciences Library with an estimated annual savings of \$25,000.00 with a three-year six-month payback; and system modifications in Founders Hall with a savings of \$25,000.00 annually and a one-year seven-month payback.

**Mechanical Contract**

Date Received:	June 4, 1981
No. of Bids:	5
Low Bid:	\$109,100.00*
High Bid:	\$146,085.00*
Estimate of Cost:	\$121,809.00*
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

**Electrical Contract**

Date Received:	June 4, 1981
No. of Bids:	3
Low Bid:	\$ 64,300.00
High Bid:	\$ 74,440.00
Estimate of Cost:	\$ 53,191.00**
Awarded to:	Electric Power Equipment Co., Columbus, Ohio

\* Recommended alternates reflected in these figures.

\*\*Please note that Item No. 2 - Electrical Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENERGY MODIFICATIONS TO BUILDINGS - PHASE V (PROJECT "A")  
(FAWCETT CENTER FOR TOMORROW, FOUNDERS HALL,  
HEALTH SCIENCES LIBRARY) (contd)**

Total All Contracts: \$173,400.00  
Total Contingency Allowance: \$ 7,260.43 which is 4 per cent of construction contracts  
Total Project Cost: \$199,700.00  
Funding: Budget Account 210134

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA) TITLE III PROGRAM,  
CYCLE I ENERGY CONSERVATION MEASURES - ECM-2  
(SMITH LABORATORY/MCCAMPBELL HALL)**

Description: This work consists of removing an inefficient absorption unit from Smith Laboratory and relocating centrifugal unit from McCampbell Hall.

**Mechanical Contract**

Date Received: May 28, 1981  
No. of Bids: 6  
Low Bid: \$118,900.00\*  
High Bid: \$151,760.00\*  
Estimate of Cost: \$155,135.00\*  
Awarded to: J. A. Guy, Inc., Dublin, Ohio

**Electrical Contract**

Date Received: May 28, 1981  
No. of Bids: 2  
Low Bid: \$ 23,095.00\*  
High Bid: \$ 26,326.00\*  
Estimate of Cost: \$ 55,380.00\*  
Awarded to: Electric Power Equipment Co., Columbus, Ohio

\*Recommended alternates reflected in these figures.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA) TITLE III PROGRAM,  
CYCLE I ENERGY CONSERVATION MEASURES - ECM-2  
(SMITH LABORATORY/MCCAMPBELL HALL) (contd)

Total All Contracts: \$141,995.00  
Total Contingency Allowance: \$ 953.93 which is 1 per cent of construction contracts  
Total Project Cost: \$166,294.00  
Funding: Federal Funds and Ohio Board of Regents

**STADIUM DRIVE PAVEMENT REPAIRS**

Description: Due to deterioration, repair sidewalks, curbs, and pavement from Tuttle Park Place west to the Stadium Drive Bridge on Stadium Drive.

**General Contract**

Date Received: June 12, 1981  
No. of Bids: 4  
Low Bid: \$109,400.00  
High Bid: \$158,404.25\*\*  
Estimate of Cost: \$157,000.00\*  
Awarded to: Gaddis and Son, Inc., Columbus, Ohio  
Total Contract: \$158,404.25  
Total Project Cost: \$161,481.28  
Funding: Budget Account 210134

\*Please note that Item No. 1 - General Contract is in excess of the filed estimate of cost; however, the total price of the contract is within 10 per cent above the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

\*\*Please also note that the above contract is awarded to the fourth lowest bidder. The three lower bids were rejected because the contractors were not certified as minority contractors and did not meet the guidelines as set forth in House Bill 584, as defined by the Office of Equal Employment Opportunity.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**NEWTON HALL - REPLACEMENT OF FIREPROTECTIVE MATERIALS**

Description: Remove exposed fireproofing material and replace with non-asbestos fireproofing, encapsulate any residual asbestos to prevent fibers going into air. Areas include nurses' locker room, mechanical room, stairwells, walls, ceilings, on the ground floor, first, and top floors of Newton Hall.

**General Contract**

Date Received:	May 28, 1981
No. of Bids:	1
Low Bid:	\$ 86,969.00
Estimate of Cost:	\$ 88,500.00
Awarded to:	M. K. Moore & Sons, Inc., Dayton, Ohio
Total Contract:	\$ 98,000.00
Total Contingency Allowance:	\$ 9,291.62 which is 11 per cent of construction contract
Total Project Cost:	\$ 98,000.00
Funding:	Budget Account 885152

**PAGE HALL, RENOVATION OF ROOMS 200 AND 220**

Description: Repair of deteriorated plaster which is causing hazard to occupants of area; ceiling plaster falling in both Rooms 200 and 220.

**General Contract**

Date Received:	June 9, 1981
No. of Bids:	6
Low Bid:	\$ 38,450.00
High Bid:	\$ 57,800.00
Estimate of Cost:	\$ 55,000.00
Awarded to:	RossLin Construction & Maintenance Co., Columbus, Ohio
Total Contract:	\$ 38,450.00
Total Contingency Allowance:	\$ 4,481.00 which is 12 per cent of construction contract
Total Project Cost:	\$ 43,700.00
Funding:	Budget Account 885158



July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**OHIO UNION, EXTERIOR STEP REPAIRS**

Description: Replace existing deteriorated steps on east side of Ohio Union.

General Contract

Date Received: June 12, 1981

No. of Bids: 4

Low Bid: \$ 30,300.00\*

High Bid: \$ 64,373.00\*

Estimate of Cost: \$ 29,400.00\* \*\*

Awarded to: Salaam Construction Co., Columbus, Ohio

Total Contract: \$ 30,300.00

Total Contingency Allowance: \$ -0-

Total Project Cost: \$ 31,545.00

Funding: Budget Account 885149

\*Recommended alternates reflected in these figures.

\*\*Please note that Item No. 1 - General Contract is in excess of the filed estimate of cost; however, the total price of the contract is within 10 per cent above the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

**NOW THEREFORE**

**BE IT RESOLVED**, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Mr. Hilliker: I'll move that we accept the report--then any discussion.

Mr. Devenow: Is there a second?

Mr. Immke: I'll second it.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

Mr. Hilliker:

Well, the one area that was most discussed by this committee this morning concerned the contracts that the administration sets aside for authorized minority contractors. We did have an instance in one of the projects today where--it was a paving contract--we received four bids on the contract, but only one of which did qualify as a minority contractor. It did turn out--and the Department of Public Works has awarded that contract to that contractor. It did turn out that in this instance that contractor was the higher--the highest of the four bids that were received on the job. What the discussion was today was to check into the system of these 'set-aside' projects whereby we can be assured that on future projects we get more competitive bidding in this area. This particular contract ended up being approximately 40 percent above the low bid although it was very near the University's estimate of the cost, but what we are concerned about is that on future contracts that if we can't get a competitive bidding stance among the minority contractors then we will be paying, in many instances, too high a premium. In the near future we will be inviting representatives of the Department of Public Works to speak to us on what we can do, or what they can do, to insure us that in the future that these 'set-aside' projects still remain competitive even though by necessity they will be awarded to minority contractors.

Mr. Devenow:

Any questions of Mr. Hilliker? This is a motion to accept the report. I would like to make it clear that I do not agree with the one item, but I will accept it as a report. I was going to abstain, but I will accept it as a report. With that I will ask for a roll call vote.

The resolution was adopted by unanimous roll call vote.

--o--

**REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS**

Resolution No. 82-14

*Synopsis: Approval for reimbursement of expenses for designated Administrative Officials is requested.*

WHEREAS the Fiscal Affairs Committee has authorized the payment of expenses for designated administrative officials; and

WHEREAS it is deemed in the best interest of the University for the Fiscal Affairs Committee to provide from the unrestricted gifts to the University Endowment Fund on an appropriate basis, to the President and designated University officials, reimbursement for expenditures which are directly and necessarily related to the performance of their assigned responsibilities and in the best interest of the University:

July 10, 1981 meeting, Board of Trustees

**REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the Fiscal Affairs Committee be authorized to provide reimbursement to designated University officials from unrestricted gifts to the University Endowment Fund.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

--0--

**APPOINTMENT OF INVESTMENT COUNSELORS**

Resolution No. 82-15

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee the following investment policies pertaining to the University's Investment Portfolio be implemented in accordance with the terms and conditions set forth.

Reappointment of the following-named investment managers to counsel in Endowment investments totalling the amounts indicated:

The Chicago Corporation	\$14,000,000
Huntington Investment Management Corporation	\$19,500,000
Siebel Capital Management, Inc.	\$11,000,000
Tallasi Management Company, Inc.	\$ 7,500,000

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-16

RESOLVED, That the report on the University's Investment Portfolio, dated June 30, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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July 10, 1981 meeting, Board of Trustees

## COMMENTS

Mr. Devenow:

This is Dr. Enarson's last official meeting--Trustees' meeting--and I would like to turn the meeting back to him for any comments he might like to make.

President Enarson:

Mr. Chairman, you upstaged me on that--I was simply going to say and I will now say--that traditionally August is a sacred month. You are relieved momentarily of your awesome responsibilities. We rarely have a meeting in August and very seriously, we will not have any special meeting unless it proves necessary, but given the seriousness of the problems we face I can't guarantee that we won't. It appears extremely unlikely that there will be any resolution of the legislative action by that time and absent that or something else I think it is unlikely that there will be a need for an executive session. As I drive across the wheat fields of Kansas on commencement day I will be thinking about you.

Mr. Redman:

Well, Mr. Chairman, before you terminate the meeting, I have a few remarks I would like to make. Are you through with the rest of the business? I am not on the agenda but I would like to get on it. Being in Florida I receive these OSU news digests from the University, and I generally go over them with interest, and I found one in this last one that made me angry, and at my age that comes hard. It seems that in the *Lantern* issue of Friday, May 29, there was what I consider to be a scurrilous attack upon the Governor. I might add that I have not discussed this with the Governor if anybody wants to know, but the reprint that I have here presumably quotes from the *Lantern* although the reprint is from the *Citizen Journal*, so if there is any inaccuracy between the actual article in the *Lantern* which I don't have and what the Journal says was said in the *Lantern*, I would stand to be corrected in that regard. But before I make the remarks relating to what is contained in the article, I want to make the general statement that I don't think the *Lantern*, which is a tax supported institution at this University and has been for 100 years, has any business being in the political arena. That's the basic complaint I have with the article itself. What this young man had to say, or whatever the *Lantern* staff had to say--if they want to promote Mr. Metzbaum's candidacy for the United States Senate, I think they should hire themselves a public relations staff, get some ballots printed and get out on the campus and distribute them. I don't think that the *Lantern* is any place for this kind of attack on the Governor.

Now as I analyze it, the article says that the complaint about the Governor is that he has advocated more jobs, no taxes, and fund higher education. Well I'll say that's an accurate quote. He has been for more jobs, he has been for keeping down the taxes, and he has been for funding higher education since I have known him, and I've known him since 1946. Now if that is all bad, fellows, I am in the wrong business.

July 10, 1981 meeting, Board of Trustees

COMMENTS (contd)

Mr. Redman: (contd)

Then the second complaint is that he says the Governor says no Ohioan lives more than 30 miles away from a state-supported college. Is that bad? I think that's good. I think the Governor thinks it was good. He went to a lot of trouble, time and effort to get it established--I'll tell you that because I know about it.

I think the last thing, perhaps--the point at issue is that Rhodes ordered out the National Guard to Kent State which led to the murder of four persons. The effect of that is to accuse the Governor of being an accessory to murder. Now you know fun is fun, but I don't like that. And if this *Lantern* purports to speak for this University, I'll say one thing--it doesn't speak for me. And I would like to know who is responsible for the editorial policy of this paper. All papers--privately owned papers--have an editorial policy and it is set. If they want to be democratic--fine; if they want to support republicans--fine; if they want to support homosexuality--fine; whatever--as long as they own the paper, they can print any dang thing they want, but I don't think that this newspaper which is supported by State funds has any business making this kind of statements; and I think I would like to know more about the editorial policy in the *Lantern* and who is running it. Mr. Chairman, that is all I have to say.

Mr. Devenow:

Thank you, Mr. Redman. Any other comments? I would just like to say, Mr. Redman, that I, too, was offended by that editorial. I am not arguing with the right of anyone to print that editorial, but I do feel that--I was not appointed by Governor Rhodes to this Board--that he has been one of the great Governors of this State, the greatest Governor this State has had or any other state, and we operate in some 50 states. And I know what he has done for this State and I know what he has done for education. I resent the implications in the article, and I think it is basically an opinionated article, and I guess I agree with you that as a Board member, I would like to state publicly I find it to be rather repulsive.

--o--

Thereupon the Board adjourned to meet Friday, September 4, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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APPENDIX I

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

September 3, 1981

## Commencement Speaker



**Vern Riffe**  
Doctor of Laws

Vern Riffe, Speaker of the Ohio House of Representatives, has served the people of Ohio with increasing distinction since 1958. Now in his fourth term as Speaker, he holds one of the major positions of authority and leadership in state government. That he has consistently exercised that authority and leadership to advance the state of Ohio and to further the well-being of all its citizens is documented by the many honors he has received. A strong advocate of education, he has repeatedly demonstrated his understanding of the vital role public higher education must play in Ohio's future. The Ohio State University is pleased to honor Vern Riffe as a distinguished public servant and for his lasting contributions to the people of Ohio.



## Recipients of Honors

**Alistair Cooke**  
Doctor of Humane Letters  
(Presented in absentia)

No one better personifies the bond of friendship and common heritage between this country and Great Britain than Alistair Cooke. No one has done more in recent years to strengthen that bond. Author, journalist, broadcaster, Alistair Cooke is widely acclaimed as a perceptive and eloquent interpreter of America, its personalities and its culture. His incisive writings and television commentaries have kindled in this country a new sense of history, literature, and the American experience. He embodies values that guide this University — a dispassionate search for truth, an openness to new ideas, an abiding belief in people. The Ohio State University is pleased to honor Alistair Cooke for enriching our lives as individuals and our heritage as a people.

**Francis R. Aumann**  
Distinguished Service Award

For more than forty years, Francis R. Aumann, Professor Emeritus of Political Science, dedicated his professional life to building a strong department and enhancing the reputation of this University. He was eminently successful. As colleague and friend, he instilled a spirit of collegiality among faculty and a sense of excellence among students. His solid record of research and publication helped establish the department's national reputation and set the high standards that guide it today. Many of his students went on to positions of note in government, law, and education. During a long and distinguished career, Francis R. Aumann enriched the life of this University in lasting ways and earned the highest accolade of all, the respect and admiration of his peers.

**Richard P. Goldthwait**  
Distinguished Service Award

Professor Emeritus of Geology and internationally recognized polar scientist, Richard P. Goldthwait served this University with unusual distinction for more than three decades. Widely acclaimed for his research, he is acknowledged as one of the world's leading figures in the study of glacial history and geology. As founder and first director of the Institute of Polar Studies, he was the guiding force that established Ohio State as an international center for polar and alpine study. As teacher, research scientist, and administrator, he personifies excellence. His many contributions to science have brought great credit to this University and enhanced its stature in the world community of scholars.

**Walter C. Reckless**  
Distinguished Service Award

Walter C. Reckless, Professor Emeritus of Sociology, is respected throughout the world for his many contributions to the field of criminal justice. His influence has been profound. He established the Ohio State program in criminology and made it one of the finest in the nation. As one of the pioneers in American criminology, Walter Reckless laid the foundation for today's criminal justice programs. His initiative in establishing corrections programs at Ohio State and abroad confirmed his position as a leading international authority. Students from all parts of Ohio, the nation, and the world came to Ohio State to study with him. Many are now leaders in the field of corrections. His contributions reflect the essential humaneness that has characterized his long and distinguished career.

**Clarence E. Taft**  
Distinguished Service Award

The full promise of the land-grant university is reflected in the long and distinguished career of Clarence E. Taft, Professor Emeritus of Botany. An inspiring teacher, he has been honored by his college and the University for excellence in the classroom. As a research scientist, he is recognized as a world authority on water pollution problems related to algae. As a servant of the public, he shared his scientific knowledge generously with communities and states to help them monitor water quality and maintain healthful standards. For more than four decades, he exemplified the mission of Ohio State in its highest form. And in so doing, he brought honor and respect to his profession and to this University.

**J. Edward Weaver**  
Distinguished Service Award

To direct the intercollegiate athletic program at The Ohio State University is to face one of the most demanding administrative challenges in higher education. J. Edward Weaver, Director of Athletics, Emeritus, met that challenge with authority, dedication, and with the interests of student-athletes foremost in mind. He worked diligently to maintain the fiscal integrity of the athletic program and to assure the good name of Ohio State athletics. He opened the way to Ohio State's position of national leadership in women's athletics. For more than three decades — with the Alumni Association, the Office of Business and Finance, and most notably the Athletic Department — J. Edward Weaver served with distinction and devoted his professional life to the advancement of his alma mater.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Philosophy

- Mohamed Hani Hassan Abdel-Nabi, Alexandria, Egypt; M.B. C.H. B., M.S. (University of Alexandria); *Zoology*; *Dr. Willard C. Myser*
- Alma Shealey Adams, Greensboro, N. C.; B.S., M.S. (Agricultural and Technical College of North Carolina); *Art Education*; *Dr. Kenneth Marantz*
- Jan Alexander Aitken, Manassas, Va.; B.A. (Lawrence University); M.S.; *Computer and Information Science*; *Dr. Lee J. White and Dr. Douglas S. Kerr*
- Saleh Nassar Alnassar, Riyadh, Saudi Arabia; B. of Ag. (University of Riyadh); M.S. (Oklahoma State University); *Agricultural Education*; *Dr. J. David McCracken*
- Dorothy Lee Amsler; B.A. (Alverno College); M.A.; *English*; *Dr. Alan K. Brown*
- Ebenezer Yaw Antwi, Bomeng, Ghana; B.A. (Kansas Wesleyan); M.A.; *Education*; *Dr. W. Frederick Staub*
- Susan D. Arnoczky, Amherst; B.A., M.A.; *Education*; *Dr. John O. Cooper*
- Larry Ray Arrington, Plain City, Fla.; B.Sc. Agr. (University of Florida); M.Ed. (University of Georgia); *Agricultural Education*; *Dr. J. David McCracken*
- Chris Rogers Arthur; B.A. (Dillard University); M.A.; *Education*; *Dr. John O. Cooper*
- Thomas Jackson Babb, West Liberty, W. Va.; B.S. (Bob Jones University); M.S. (University of Tennessee); *Education*; *Dr. Otto Santos, Jr.*
- Revathi Balakrishnan, Salem Tamilnadu, India; B.Sc., M.Sc. (University of Madras); M.S.; *Home Economics*; *Dr. Francille M. Firebaugh*
- Bat-Ami Bar On, Hadera, Israel; B.A. (Tel-Aviv University); *Philosophy*; *Dr. Robert G. Turnbull*
- Garlena Ann Bauer, Columbus; B.S., M.S.; *Agricultural Economics and Rural Sociology*; *Dr. William L. Flinn*
- James William Benham, Columbus; B.A. (Ohio Wesleyan University); *Mathematics*; *Dr. John S. Hsia*
- Mark Charles Berger, Sylvania; B.A. (University of Toledo); M.A.; *Economics*; *Dr. Belton M. Fleisher*
- Nancy Mulhollen Betts, Beaver Falls, Pa.; B.A. (Pennsylvania State University); M.S.; *Home Economics*; *Dr. Virginia M. Vivian*
- James Virgil Bina, Groveport; B.A. (University of Northern Iowa); M.A.; *Education*; *Dr. David L. Boggs*
- David Lorin Bitters, Fairway, Kans.; B.A. (Colorado College); M.A. (Dartmouth College); *Industrial and Systems Engineering*; *Dr. Gordon M. Clark*
- William Theodore Bolton, Jr., Syracuse, N. Y.; B.A. (Ohio Wesleyan University); M.A. (Temple University); *Communication*; *Dr. Thomas McCain*
- Michael Bradford Bragg, Atwood, Ill.; B.S., M.S. (University of Illinois); *Aeronautical and Astronautical Engineering*; *Dr. Gerald M. Gregorek*
- Ernest Francis Brickell, Sayre, Okla.; B.S. (Oklahoma State University); M.S., M.S.; *Mathematics*; *Dr. Dijen K. Ray-Chaudhuri*
- Donna June Bristol, Holly, Mich.; B.S. (University of Michigan); M.F.A. (West Virginia University); *Art Education*; *Dr. Kenneth Marantz*
- Jennifer Lee Britton, Charleston, W. Va.; B.A. (Morris Harvey College); M.A. (West Virginia University); *Education*; *Dr. Thomas M. Stephens*
- Sandra Cromwell Brunson, Newark, Del.; B.S. (Morgan State College); M.S. (Drexel University); *Home Economics*; *Dr. Jean D. Dickerscheid*
- Kent Oliver Burkey, Greeneville, Tenn.; B.A. (Warren Wilson College); *Biochemistry*; *Dr. Elizabeth L. Gross*
- Kim Cornelius Calvo, Columbus; B.A.; *Chemistry*; *Dr. Michael H. Klapper*
- Charles Richard Carothers, Racine, Wis.; B. of P.E. (Purdue University); M.S. (University of Wisconsin); M.A.; *Education*; *Dr. Roy A. Larmee*
- Philip Howard Cass, Columbus; B.A. (Kenyon College); M.A. (Fairfield University); *Education*; *Dr. Anthony C. Riccio*
- Donald Grover Chenoweth, Davenport, Ia.; B.S. (Loras College); M.A.; *Psychology*; *Dr. W. Bruce Walsh*
- Charles David Clark, Gallipolis; B.S., M.S.; *Agricultural Education*; *Dr. J. Robert Warmbrad*
- Virginia Cannon Clay, Georgetown, Ind.; B.S. in Ed. (Ball State University); M.S. in Ed. (University of Kentucky); *Education*; *Dr. Aaron J. Miller*
- James R. Corbett, Syracuse, N. Y.; B.S. (Syracuse University); M.S. (San Diego State College); *Communication*; *Dr. Thomas A. McCain*
- Kofi Quandahor Dazdie, Axim, Ghana, West Africa; B.S. (University of Ghana); M.B.A.; *Business Administration*; *Dr. Bernard J. LaLonde*
- LaPointe Manuel Davis, Fayetteville, N. C.; B.S. (Virginia State College); M.Mus. (University of Michigan); *Music*; *Dr. Jere L. Forsythe*
- Patricia Davis, Manassas, Va.; B.S., B.A. (Mary Hardin-Baylor); M.S. (Smith College); *Physical Education*; *Dr. Lewis A. Hess*
- Robert Ira Davis, Columbus; A.B., M.A. (Herbert Lehman College); *Communication*; *Dr. John A. Ferraro*
- †Thomas Eugene Davis, Amanda; B.G.S. (Ohio University); M.A. (Marshall University); *Education*; *Dr. Joseph J. Quaranta, Jr.*
- Robert Madison Day, Columbus; B.S.; *Education*; *Dr. Donald P. Sanders*
- Timothy Lee Deeter, Greenville; B.S., M.S.; *Electrical Engineering*; *Dr. Martin O. Thurston*
- John Morse DeLaurentis, Mt. Vernon; B.A. (Ohio Wesleyan University); M.S.; *Mathematics*; *Dr. Boris Pittel*
- Daniel Manoharan Jothiraj Devasirvatham, Kandy, Sri-Lanka; B.S. (University of Sri Lanka); M.S.; *Electrical Engineering*; *Dr. Daniel B. Hodge*
- Susan Marie Dinitz, Akron; B.A. (Ohio Wesleyan University); M.A.; *English*; *Dr. Richard D. Altick*
- Frank Jerauld DiTirro, Rochester, N. Y.; B.A. (Denison University); M.S.; *Anatomy*; *Dr. George F. Martin and Dr. Raymond H. Ho*
- Mark Glen Dolson, Charleston, Ill.; B.S. (Eastern Illinois University); *Chemistry*; *Dr. John S. Suenton*
- Dorothy Jean Downey, Lander, Wyo.; B.A. (Ursuline College); M.A. (Western Kentucky University); M.A.; *Physical Education (Health Education)*; *Dr. Mary K. Beyer*
- Debra Francis Edwards, Middletown; B.S. (Miami University); M.S.; *Plant Pathology*; *Dr. Michael Garraway*
- Donald George Edwards, Columbus; B.S., M.S.; *Statistics*; *Dr. Edward S. Dudewicz*
- Abdussalam Mukhtar Elzililni, Benghazi, Libya; B.S.J. (Ohio University); M.A.; *Education*; *Dr. I. Keith Tyler*
- Steven Michael Errede, St. Paul, Minn.; B.S. (University of Minnesota); M.S.; *Physics*; *Dr. Neville W. Reay*
- Keith Ewald, Columbus; B.A. (State University of New York College at Buffalo); M.A.; *Sociology*; *Dr. Robert Jobu*
- Janet Laurentia Fallon, Boston, Mass.; B.A. (Albertus Magnus College); M.A.; *Communication*; *Dr. John J. Makay*
- Carolyn Huffman Farnsworth, Arcadia; B.S.Ed. (Bowling Green State University); M.A.; *Education*; *Dr. Victor J. Mayer*

† Degree granted in cooperation with Miami University.

- Kathryn Hales Fleming, Washington, D. C.; B.S. (Mary Washington College of the University of Virginia); M.S. (University of Alabama); *Home Economics*; *Dr. Virginia M. Vivian*
- Sally K. Francis, Oxford; B.S. (Bowling Green State University); M.Ed. (Miami University); *Home Economics*; *Dr. Lois E. Dickey*
- Alan Dale Gilbertson, Cleveland; B.A. (Mount Union College); M.Ed. (University of Akron); *Education*; *Dr. Joseph J. Quaranta, Jr.*
- Ann Louise Gnagey, Meyersdale, Pa.; B.S. (Indiana University of Pennsylvania); M.A.; *Entomology*; *Dr. David L. Dentinger*
- Susha Golomb, Cambridge, Mass.; A.B. (Boston University); M.A.; *Agricultural Economics and Rural Sociology*; *Dr. William L. Flinn*
- Fernando Jimenez Gomez, Arahal (Sevilla), Spain; Licenciado (Universidad de Valencia); M.A.; *Computer and Information Science*; *Dr. B. Chandrasekaran*
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- Deloris G. Walters, Huntsville, Ala.; B.S. (Alabama Agricultural and Mechanical University); *Education*
- Dorothy Katherine Wamsley, Circleville; A.B. (Ohio University); *Education*
- Shu-Chin Wang, Taiwan, R.O.C.; B.S., M.A. (National Taiwan University); *Economics*
- Claire Rose Watt, Lima; B.A. (Mary Manse College); *Education*
- Edward George Watzel, Sandusky; B.A. Journ.; *Journalism*
- David Allen Webster, Marion; B.S.Ed.; *Education*
- Deborah Dee Wells, Newark; B.S.Ed.; *Education*
- Ann Louise Welsh, Eaton; B.S.; *Education*
- Barbara Ralston Werum, Columbus; B.A. (University of Massachusetts); *Political Science*
- Thelma Denise West, Montezuma, Ga.; B.S. (Georgia Southwestern College); *Education*
- Gail Jones Wetterauer, Worthington; B.S.; *Education*
- Mara Lea Wheeler, Worthington; B.A. (Oberlin College); *Education*
- Joan Ann Whitaker, Worthington; B.S. (Ohio University); *Education*
- Joan Culbertson White, Dublin; B.S.Ed.; *Education*
- William Rutherford White, Jr., Allentown, Pa.; B.A. (Lehigh University); *Journalism*
- Ann Elizabeth Whitmore, Mt. Pleasant, Mich.; B.S. (Beloit College); *Education*
- Bernard Perin Wilburn, Laon, France; B.A.; *English*
- Beverly Armeda Wilform, York, S. C.; B.A. (Johnson C. Smith University); *Education*
- Esther Jane Williams, Columbus; B.S.; *Education*
- Dale Wayne Wimberley, Columbus; B.A. (Louisiana Tech University); *Sociology*
- Keith Richard Winter, Columbus; B.A. (Adrian College); *Physical Education*
- Mary Elaine Winters, Tucson, Ariz.; B.A. (University of Arizona); *English*
- Nancy Kathryn Winters, Columbus; B.A. (Wittenberg University); *Education*
- Patti Rose Withers, Auburn, N. Y.; B.A. (State University of New York—Binghamton); *Black Studies*
- Gail Ann Wright, Gahanna; B.S.Ed. (Bowling Green State University); *Education*
- Carol W. Yates, Royal Oak, Mich.; B.A. (Michigan State University); *Education*
- Theresa Ann Zeyen, Columbus; B.S.; *Education*
- Michael Francis Zofcin, Brookpark; B.A.; *Communication*
- Master of Business Administration**
- LiLien Li-in Ai, Detroit, Mich.; B.Com. (National Cheng-Chi University); *Business Administration*
- Lisa Gail Beyer, Circleville; B.S. (Trinity University); *Business Administration*
- Joyce Konst Cass, Columbus; B.S.B.A. (University of Dayton); *Business Administration*
- Clarence Stephen Cipkala, Youngstown; B.S.; *Business Administration*
- Charles Lambert Cramer, Jr., Dayton; B.S. (Wright State University); *Business Administration*
- Joseph James Daniel, Columbus; B.S.M.E.; *Business Administration*
- Regina Marie Demartini, Columbus; B.F.A. (Wittenberg University); *Business Administration*
- Patricia Veasey D'Souza, Norwood, Ga.; B.S. (Fort Valley State College); M.A.; *Business Administration*
- Hussein Mohamed El-Kazaz, Alexandria, Egypt; B.A., M.B.A. (Alexandria University); *Business Administration*
- Mark Paul Escaja, Youngstown; B.A. (Youngstown State University); *Business Administration*
- David Rex Gambrel, Hicksville; B.S.; *Business Administration*
- David Scott Gerber, New Holland; B.S.; *Business Administration*
- Joseph Gordon Grabel, Alliance; B.B.A. (Kent State University); *Business Administration*
- Debra Joan Green, Denver, Colo.; B.A.; *Business Administration*
- James Robert Hackbarth, Columbus; B.S.B.A.; *Business Administration*
- Steven Douglas Hickman, Columbus; B.S.; *Business Administration*
- Lizbeth Mills Ingram, Mansfield; B.A. (Wittenberg University); *Business Administration*
- George Kaitza, Jr., Columbus; B.A. (Kenyon College); *Business Administration*
- Sue Ellen King, Westerville; B.S.N.; *Business Administration*
- Austin Klavan, Columbus; B.S.B.A.; *Business Administration*
- Jeffrey Alan Lamparter, Broadview Heights; B.S. (Purdue University); *Business Administration*
- Brad E. Livingston, Union City; B.S. (Bowling Green State University); *Business Administration*
- Spero Angelo Maginas, Columbus; B.A. (Ohio Wesleyan University); *Business Administration*
- Kim R. McClain, Cleveland; B.S., M.S. (University of Notre Dame); *Business Administration*
- Cynthia Ratka, Cleveland; B.A. (Denison University); *Business Administration*
- Steven George Rolls, Montgomery; B.S. (Miami University); *Business Administration*
- Kurt R. Scheel, Reynoldsburg; B.Sc. (Miami University); *Business Administration*
- Jeannine Theresa Schwab, Covington, Ky.; A.B. (Thomas More College); M.C.S. (University of Mississippi); *Business Administration*
- Randall K. Smith, Lima; B.S. (Miami University); *Business Administration*
- Robert Cole Smythe, Columbus; B.A.; *Business Administration*
- Kent Lee Stephens, Columbus; B.S. (Indiana Institute of Technology); *Business Administration*
- James L. Taylor, Mansfield; B.S. (Bowling Green State University); *Business Administration*
- Tamela Kay Thomas, Massillon; B.S.; *Business Administration*
- John Michael Toth, Columbus; B.S. (The University of Tennessee); *Business Administration*
- John Robert Turgeon, Akron; B.S. (University of Akron); *Business Administration*

William Wallace Vogelgesang, Madison; B.S.; *Business Administration*

Jay Louis Young, Lawrenceburg, Ind.; B.S. (Purdue University); *Business Administration*

### Master of City and Regional Planning

Gregory Mark Carr, Columbus; B.A. (Providence College); *City and Regional Planning*

Veena Kumari Khanna, New Delhi, India; B.A., M.A. (University of Delhi); *City and Regional Planning*

Stephen Gerard Leeper, Pittsburgh, Pa.; B.A. (Ohio University); *City and Regional Planning*

### Master of Fine Arts

Dorothy Hazen Baker, Scottsville, N. Y.; B.F.A. (Eastern Michigan University); *Art*

Catherine Ann Bell, Cleveland Heights; B.F.A. (Bowling Green State University); *Art*

Melissa Anne Bohannon, Eureka, Calif.; B.A. (Humboldt State University); *Art*

Jerry L. Cutler, Milladore, Wis.; B.S. (University of Wisconsin); M.A. (Saint Cloud State University); *Art*

Bradley Clyde Keech, Columbus; B.A.; *Art*

Stephen Glen Nesser, Columbus; B.A.; *Art*

### Master of Health Administration

Cathie Brodie Cline, Columbus; B.S.N.; *Allied Medical Professions*

Brian Michael Crimmins, Dayton; B.S.; *Allied Medical Professions*

Scott Evans Lawrence, Columbus; B.A. (Miami University); *Allied Medical Professions*

Wayne Jeffrey Miller, Granada Hills, Calif.; A.B. (Stanford University); *Allied Medical Professions*

Mary Elaine Schwarz, Erie, Pa.; B.S.N. (University of Pittsburgh); *Allied Medical Professions*

David Dean Slabodnick, St. Marys; B.S.Bus.Adm.; *Allied Medical Professions*

Dennis Eugene Townsend, Salt Lake City, Ut.; B.A. (University of Utah); *Allied Medical Professions*

Robert Mark Wolin, Hewlett, N. Y.; B.A. (University of Maryland); M.B.A.; *Allied Medical Professions*

### Master of Humanities

Francia Ellen Rosenzweig, Columbus; B.A.; *Humanities*

Varaporn Singkivibul, Thailand; B.A. (Chulalongkorn University); *Humanities*

### Master of Labor and Human Resources

John Lee Barton, Asheville, N. C.; B.S. (North Carolina Agricultural and Technical State University); *Labor and Human Resources*

Marilyn Joy Brenner, Youngstown; B.A.; *Labor and Human Resources*

Jack Anthony Monda, Ashtabula; B.S.Ed.; *Labor and Human Resources*

Dorene Marie Morrow, Pittsburgh, Pa.; B.B.A. (Pennsylvania State University); *Labor and Human Resources*

### Master of Music

Jack Forrest Boss, III, North Olmsted; B.Mus.; *Music*

Diane Kay Earle, Canton; B.Mus. (University of Cincinnati); *Music*

Ann Elisa Haertling, Columbus; B.Mus.; *Music*

Richard P. Holmquist, Jr., Brielle, N. J.; B.Mus. (University of Delaware); M.Mus. (New England Conservatory); *Music*

Jean W. Keeton, Dayton; B.Mus.; (Wittenberg University); *Music*

Julie Loren-Wells, Vienna, W.Va.; B.Mus.; *Music*

### Master of Public Administration

Karen Anne Bride, Cleveland; B.A. (College of Wooster); *Public Administration*

John Edward Fralick, Columbus; B.A.; *Public Administration*

Dean Leroy Myton, Columbia Station; B.A. (Capital University); *Public Administration*

### Master of Science

Alex Kwasi Acheampong, Kumasi, Ghana; B.S. (Manchester College); *Agricultural Economics and Rural Sociology*

Mehmet Emin Adigüzel, Kars, Turkey; B.S., M.S. (Middle East Technical University); *Engineering Mechanics*

Rana Ahmadi, Tehran, Iran; M.Arch. (University of Tehran); M.C.R.P.; *Civil Engineering*

Sima Ahmadi-Marandi, Mansfield; B.S.C.I.S.; *Industrial and Systems Engineering*

Linda Michele Alston, Savannah, Ga.; B.S. (Morris Brown College); *Home Economics*

Andrés Alvarez, Rio Piedras, Puerto Rico; B.S.E.E. (University of Puerto Rico); *Electrical Engineering*

Arthur Paul Arnold, Fleming; B.S.; *Agricultural Education*

Jill Caren Arnson, Columbus; B.S. (American University); *Pathology*

Gregory Christian Azzolin, Columbus; B.S.; *Veterinary Physiology and Pharmacology*

Mary Kathryn Baer, Columbus; B.S. (Juniata College); *Computer and Information Science*

Richard Michael Bednarski, Columbus; B.S.Agr., D.V.M.; *Veterinary Clinical Sciences*

Robert John Belloto, Struthers; B.S.; *Pharmacy*

Carol Ann Bethel, Urbana; B.S.; *Home Economics*

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Roxanne Leslie Bittman, Oakland, Calif.; B.A. (University of California, Santa Barbara); *Botany*

Thomas Andrew Bodnovich, Youngstown; B.S. (Youngstown State University); *Computer and Information Science*

Stephen Lindsey Boyles, Caldwell; B.S. (Virginia Polytechnic Institute and State University); *Animal Science*

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- Rebecca Dinsmore Davidson, Tipp City; B.A. (Wright State University); *Allied Medical Professions*
- Julia Ann DeLuca, Greenwich, Conn.; B.S. (Purdue University); *Food Science and Nutrition*
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- Shrikrishna W. Dhawale, India; B.S., M.S., Ph.D. (University of Bombay); *Metallurgical Engineering*
- Pankaj Arun Doshi, Bombay, India; B.Tech. (Indian Institute of Technology); *Civil Engineering*
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- Linda LaMonica Everly, Zanesville; B.S.; *Allied Medical Professions*
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- Albert Benjamin Fisher, III, Franklin Lakes, N. J.; B.A. (Fairfield University); B.A.; *Geology and Mineralogy*
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- Carroll Douglas Forcino, Middletown, Pa.; B.A. (Shippensburg State College); *Physiology*
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- Soon Kap Hahn, Korea; B.S., B.S.Agr. (Seoul National University); *Chemistry*
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- Dennis William Hall, Marysville; *Agricultural Education*
- Paul Remy Hanegreefs, Antwerpen, Belgium; B.Agr.Eng.Sci. (State University of Ghent); *Agricultural Engineering*
- Doyle Edwin Hartman, Elida; B.S.C.E.; *Civil Engineering*
- Joseph H. Havens, Midland, Mich.; B.S. (Michigan Technological University); *Electrical Engineering*
- Cheryl Lynn Haynes, Lancaster; B.S. (Ohio University); *Home Economics*
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- Constance Ann Jennings, Minneapolis, Minn.; B.S. (Bob Jones University); *Physiological Chemistry*
- Barry Leigh Johnson, Belvidere, Ill.; B.S. (University of Wisconsin, Stevens Point); *Zoology*
- Terrance William Jones, Malone, N. Y.; B.S.C.E., B.S.M.E. (Clarkson College of Technology); *Civil Engineering*
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- Andris Janis Kaneps, Minneapolis, Minn.; B.S., D.V.M. (University of Minnesota); *Veterinary Clinical Sciences*
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- Brian Michael Kent, Yellow Springs; B.E.E. (Michigan State University); *Electrical Engineering*
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- Philip Alan Lindsey, Oxford; B.A. (Miami  
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- Riitta-Mari Lipponne, Tulamo, Helsinki,  
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- Ernie Robert Malone, New London; B.S.  
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- Barbara J. Malpiedi, Shadyside; B.S.;  
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- Maria Nieves Martinez, San Juan, Puerto  
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- Pauline Rebecca Matthews, Onancock, Va.;  
B.S. (Norfolk State College); *Home  
Economics*
- Robin Leigh McCallister, Toledo;  
B.S.I.S.E.; *Industrial and Systems  
Engineering*
- Kathleen Grace McKnight, Columbus; B.S.;  
*Allied Medical Professions*
- Leslie Beggmercer, Sewickley, Pa.;  
B.S.; *Natural Resources*
- Jorge H. Merino, Lima, Peru; B.S.  
(Universidad Nacional de Ingenieria);  
*Electrical Engineering*
- George Daniel Metz, South Euclid; B.S.  
(John Carroll University); *Chemistry*
- Charles Harris Michler, Jr., Columbus;  
B.S.; *Horticulture*
- Jeffrey Craig Miller, Malvern, Pa.;  
B.S.E.E.; *Electrical Engineering*
- Anant Chandrakant Misal, Bombay, India;  
B.Tech. (Indian Institute of Technology);  
Diploma (National Institute for Training  
in Industrial Engineering); *Industrial and  
Systems Engineering*
- Satya Narayan Mishra, Benares, India;  
B.Sc. (University of Gorathpur); M.Sc.  
(Banarus Hindu University); M.A.  
(University of Massachusetts); *Statistics*
- Heather Lynn Mong, Covington; B.S.  
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- Cindy Coody Moseman, Columbus; *Home  
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- Mounir E. M. Moussa, Egypt; M.B.  
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Medicine*
- Soumitri Mukherjee, Calcutta, India;  
B.Stat. (Indian Statistical Institute);  
*Mathematics*
- Deborah Lynn Mulquin, Newark; B.S.N.  
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- Anastasia Marie Naberezny, Youngstown;  
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*Home Economics*
- Richard Robert Navarro, Brunswick;  
B.S.M.E.; *Mechanical Engineering*
- Mirjana Bozidar Nikolich, Belgrade,  
Yugoslavia; B.S.T.E. (University of  
Belgrade); *Civil Engineering*
- Miroslav V. Nikolich, Belgrade, Yugoslavia;  
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Engineering*
- James William Noga, Columbus; B.S.;  
*Allied Medical Professions*
- Hayrullah Ozkan, Adana, Turkey; B.S.  
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*Electrical Engineering*
- Kwan Chul Park, Haenam, Cheonnam,  
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B.S.E. (Seoul National University); M.S.  
(United States Naval Postgraduate  
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Science*
- Ann Pennington Parker, Lexington, Ky.;  
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*Microbiology*
- Mary Catherine Parrish, Logan; B.A.;  
*Preventive Medicine*
- Marlene Gale Patacky, Bayside, N. Y.;  
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- Stephen Frank Paulus, Wheeling, Ill.; B.A.  
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- Joseph Michael Pereira, Goodwood Gons,  
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*Mechanical Engineering*
- Belinda Jo Pinyerd, Lima; B.S.N.;  
*Nursing*
- David Dwight Pitkin, Columbus, Ind.;  
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- Carlos Alonso Plazas, Bogota, Colombia;  
Statistician (National University of  
Colombia); *Statistics*
- Alexander Roman Pokora, Clifton, N. J.;  
B.A. (Rutgers, The State University);  
*Chemistry*
- Harold William Porginski, Jr., Portsmouth;  
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- Russell Abt Putzke, Springfield, Va.; B.S.  
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*Computer and Information Science*
- Joan Maxwell Radabaugh, Delaware; B.S.;  
*Allied Medical Professions*
- Baldev Singh Rajal, Mullanpur Garib Dass,  
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*Geodetic Science*
- Norman Gerhard Reichenbach, Columbus;  
B.S.; *Zoology*
- Peggy Ruth Rescheske, Oshkosh, Wis.; B.S.  
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- James Andrew Riddle, Cincinnati; B.S.  
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- Karen Sue Snyder, Vickery; B.S.; *Agricultural Education*
- Cynthia Ellen Sorrell, Reisterstown, Md.; B.S. (University of Maryland); *Preventive Medicine*
- Teodosio Soto, Chicago, Ill.; B.S.E.E. (University of Puerto Rico); *Electrical Engineering*
- Marie Evka Spizuoco, Montville, N. J.; B.S. (Montclair State College); *Statistics*
- Jennifer Ann Starr, Columbus; B.A. (Georgetown University); *Preventive Medicine*
- Marcella Jayne Stitzlein, Glenmont; B.S.; *Home Economics*
- Gheorghe Stoica, Columbus; D.V.M. (Institute of Agronomy); *Veterinary Pathobiology*
- Dana Nathan Stone, Westbury, N. Y.; B.S. (Rochester Institute of Technology); *Physiology*
- Jill Marie Stromquist, Durand, Ill.; B.Sc.Nur. (Valparaiso University); *Nursing*
- Michael Leo Strzyzewski, Worthington; B.S. (University of Wisconsin—Platteville); *Industrial and Systems Engineering*
- Kah-jing Suen, Taipei, Taiwan, R.O.C.; B.S.E.E. (National Taiwan University); *Electrical Engineering*
- Kwa-Sur Tam, Hong Kong; B.S. (Washington University); M.S.; *Nuclear Engineering*
- Baldeo Kumar Taneja, Allahabad, India; B.Sc., M.Sc. (University of Allahabad); *Statistics*
- Beth Tobe Tranen, Columbia, Md.; B.A. (Earlham College); *Preventive Medicine*
- Teresa Ann Trimbach, Cincinnati; B.S. (University of Dayton); *Statistics*
- Julia Lynn Turner, Columbus; B.S. (University of Florida); *Chemistry*
- Okon William Udo, Uyo, Nigeria; B.A. (West Virginia State College); M.C.P.; *Natural Resources*
- Jegak Ak Uli, Simanggang, Malaysia; B.S., Diploma (University of Agriculture); *Agricultural Education*
- Ann Lynn VanDeWater, Columbus; D.V.M. (Purdue University); *Veterinary Clinical Sciences*
- Linda L. Velez-Rodriguez, Ponce, Puerto Rico; B.S.C.E.I. (University of Puerto Rico); *Geodetic Science*
- Gustav Charles Woelfl Verderber, Columbus; B.S. (Bowling Green State University); *Zoology*
- Christopher Kidd Walker, Rock Hill, S. C.; B.S.E.E. (Clemson University); *Electrical Engineering*
- Chin Ying J. Wang, Taipei, Taiwan, R.O.C.; B.Sc. (National Taiwan Normal University); *Statistics*
- Marilyn K. Parker Watters, Mt. Vernon; B.S.N. (Capital University); *Nursing*
- Henry Theodore Wietsma, Riviera Beach, Fla.; B.S. (Fairfield University); *Animal Science*
- Eldon Dean Wigton, Sunbury; B.S.; *Agricultural Education*
- Susan Mary Wolf, Columbus; *Home Economics*
- Yun-Chu Wu, Taipei, Taiwan, R.O.C.; B.Sc. (Tunghai University); *Animal Science*
- Gerald Roger Wyen, Minster; B.S. (University of Cincinnati); *Mechanical Engineering*
- Veerunna Chowdary Yadagani, Palathodu, India; B.E. (Andhra University); *Biomedical Engineering*
- Shao-Chi Yeh, Taiwan, R.O.C.; B.S. (Taiwan University); M.S. (National Chiao-Tung University); *Electrical Engineering*
- Robert S. Yeoman, Marion; B.S. (University of Dayton); *Industrial and Systems Engineering*
- Wirat Yimcharoen, Bangkok, Thailand; B.Eng. (Survey School); *Geodetic Science*
- Joyce Cannon Yoakum, Upper Arlington; B.S. (Memphis State University); *Home Economics*
- Sung Keun Yoon, Seoul, Korea; B.S.E. (Seoul National University); *Metallurgical Engineering*
- Lynn Robert Ziegler, Columbus; B.A. (Saint Olaf College); M.S. (Northern Illinois University); Ph.D. (University of Michigan); *Computer and Information Science*

### Master of Social Work

Geoffrey Nathan Brown, Columbus; A.B. (University of Miami); *Social Work*

### Certificate of Specialist in Educational Administration

Shirley Adams Behnke, Galloway; B.A., M.A.; *Education*



## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:  
Patrick R. Dugan

Vice Provost for the Arts and Sciences:  
Thomas A. Wilke

The Colleges of the Arts and Sciences,  
a federation of five colleges, include:

College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and  
Physical Sciences

College of Social and  
Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

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James Eugene Bradley, Newark  
Roger Brent Cluxton, Miamisburg  
Wendy Sue Finch, Westerville  
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Tina Sherell Foust, Cleveland  
Susan Rae Hartley, Wilton, Ind.  
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Anna M. Janer, Columbus  
Thomas Ernest Kemple, Grandview  
George Edward Konold, Jr., Columbus  
Barbara Alice Lincoln, Shaker Heights  
J. Patrick Merryman, Hopedale  
Janelle Lené Showalter, Akron  
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### Bachelor of Fine Arts

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Robbin Amy Boyers, Flushing, N. Y.  
Joan Craig, Delaware  
David William Donevic, North Olmsted  
Mary Elizabeth Forker, Columbus  
Deborah Marie Hannan, Berea, Ky.  
Theresa Jo Hoppenstand, Columbus  
John Christopher Jeffrey, Bellefontaine  
Mark Anthony Mastroianni, Alliance  
Keith Andrew Mayton, Worthington  
Marcia Ann Meyer, Cincinnati  
Susan Lynn Moss, Sunbury  
Jana Lee Shoemaker, Columbus  
Venetia Elizabeth Valiga, Aliquippa, Pa.

### Bachelor of Music

Dianne Danielle Schoenfeld, Clyde

### Bachelor of Art Education<sup>1</sup>

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Kelly Jean Duniap, Cincinnati  
Patricia Jo Israel, Beachwood  
Kari Lynn Karr, Coshocton  
Kimberly Kay King, Cincinnati  
Marcelle Wilson Mutter, Springfield  
Cheryl Lee Zimmerman, Cuyahoga Falls

### Bachelor of Music Education<sup>1</sup>

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William Herbert Boggs, Columbus  
Marjorie Bennett Bray, Columbus  
Brenda D'Anthia Rempel, Logan

### Bachelor of Science in Audio Recording

James Michael Angiulo, Akron  
John Thomas Strack, Solon

### Bachelor of Science in Industrial Design

Timothy E. Bartholomew, Canal Winchester  
Dale W. Bugay, North Olmsted  
Drew Winston Cronenwett, Findlay  
Mary Sue Finke, Dayton  
David Dwight Holt, Columbus  
Jon Douglas Hunt, Worthington  
David Brian Legger, Brunswick  
Stephen Michael Martino, Dayton  
Jean Elizabeth McCall, Worthington  
Kathleen Kotszycki Plappert,  
Fayetteville, N. C.  
Scott William Robinson, Columbia, S. C.  
Timothy W. Terleski, Cortland  
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## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Arts

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Kathy Lynn Willcox, Columbus

### Bachelor of Science

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<sup>1</sup> Offered jointly by College of the Arts and the  
College of Education

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Jodi Lynd Brown, Elyria  
Michael Dean Bruno, Hamilton  
Russell Lewis Burke, Toledo  
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Scott Edward Gordon, Bexley  
Bruce Martin Hather, North Randall  
Janis Lynn Hitchcock, Heath  
Joan Waller Huston, Parkersburg, W. Va.  
Jill Ann Jacobson, Cincinnati  
Kevin Arthur Jarrell, Cleveland  
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Robert Stephen Jones, Portsmouth  
Ruben Eugene Jones, Baltimore  
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Valerie Ann Toth, Hamilton  
Karen Marie Trewartha, Altoona, Pa.  
Daniel Mark Wojta, Columbus  
Brenda Jean Woodard, Atlanta, Ga.  
Valerie Amrhien Woodmansee, Willard

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

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Beverly Ann Brewton, Cleveland  
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Kathleen Marie Burns, Euclid  
Richard Joseph Cashman, Columbus  
Bruce Edward Combs, Columbus  
Tami Jo Doyle, Fredericktown  
William M. S. Dunn, IV, Columbus  
Gregg William Emch, Sylvania  
Robert Lee Fenner, Upper Arlington  
William Craig Gulich, Frankfort, Ky.  
Mark Hammerstein, Columbus  
David L. Harmon, Springfield  
Karl Franklin Haight, Jr., East Liverpool  
Cheryl Leigh Hendershot, Columbus  
D. Scot Hinson, Charlotte, N. C.  
Michael Dennis Hughes, Steubenville  
Sarah Ellen Hughes, Columbus  
Cynthia R. Jacobs, Shaker Heights  
Cheryl Ann Jewett, Orwell  
James Walter Johnson, III, Cleveland  
Gordon Bennett Keller, Chardon  
Jennifer Blair King, Springfield  
Helga V. Kovacs, Mansfield  
Guy William Lammers, Ottawa  
Judith Ann Morlan, Grove City  
Michael Robert Payne, Columbus  
Julie Marie Price, Fredericktown  
Lyndsey Annette Shafer, Columbus  
Ronald Allen Sims, Worthington  
Gwyn Renee Souvik, Columbus  
Colin M. Talcroft, Dayton  
Robert James VanDyne, Jr., Van Wert  
Linda Lou Wiggins, Columbus  
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## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

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Darmstadt, Federal Republic of Germany  
Karen Benitez, Springfield  
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Trinka Ranay Jewell, Jackson  
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Craig Jay Smith, Utica  
Joseph John Verdone, Broadview Heights  
Barry H. Wright, Tenafly, N. J.

### Bachelor of Science

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Aguadilla, Puerto Rico  
Pamela Sue Barnett, Kettering  
Naci Ihsan Bozkur, Orrville  
Alan Brett Cring, Columbus  
Robert Matthew Feeney, Columbus  
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Robert Carl Layman, Toledo  
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Mae Eliza Mills, Columbus  
Andrew Frederick Moulton, Columbus  
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Guillermo J. Ramón, Caracas, Venezuela  
Kim A. Randall, Shelby  
Steven E. Rentner, Sylvania  
Ali M. Rezagallah, Garyan, Libya  
Victor Mark Rosen, Lorain  
Anthony Denver Sercel, Mentor on the Lake  
Ali Mukhtar Sharef, Tripoli, Libya  
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## College of Social and Behavioral Sciences

Dean: S. Earl Brown

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Carol Ann Bechtel, Westerville  
Donald E. Beeman, Jr., Kingston  
Donna-Marie Anne Belton, Granville  
Mark William Bibbee, Gahanna  
Robert Alan Billstein, Jr., Toledo  
Cynthia Danette Booker, Dayton  
Mark Gregory Borzi, Hudson  
Kimberly Kay Boyer, Zanesville

Terry Lee Briggs, Grand Prairie, Tex.  
Holly Carr Brooks, Utica  
Carmen E. Brothers, Columbus  
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Phyllis Jane Fletcher, Shaker Heights  
Mark Alan Forman, Toledo  
Katherine L. Frey, Columbus  
William Scott Fultz, Sidney  
Sheila Janine Garner, Columbus  
Martha Ann Garrett, Columbus  
Jennifer Ann Gay, Columbus  
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Judilyn Habecker, Oberlin  
Paula Louise Hairston, Columbus  
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Jeffrey Kent Hasenfratz, Toledo  
Deborah Diane Highfield, Washington C. H.  
Timothy Joseph Hiler, New Washington  
Linda Ann Hill, Columbus  
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D. Timothy Huey, Grandview Heights  
Eric Lee Hufford, Columbus  
Kathleen Sue Hunt, Steubenville  
Scott Coleman Jackson, Upper Arlington  
Sharon A. Jarosz, Parma  
Ross Alan Johnson, Broadview Heights  
Kathleen Marie Jones, Columbus  
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Evangelos D. Kalvakis, Columbus  
Kimberly Theresa Karpiak, Kettering  
Karen Sue Karrer, Poland  
William David Kiesel, Mentor  
Karen Ann Kilanowicz, Columbus  
Cynthia Kaye Kless, University Heights  
Konstantinos Konstantellos, Athens, Greece  
Henry W. Kraft, Jr., Pataskalia  
Christopher Don Krause, Bedford Heights  
John Alan Lamb, Mansfield  
Ellen Sue Lieb, Dayton  
Barbara Lynn Lindner, Toledo  
Carolyn Joan Longworth, Galion  
Bruce Lozanoff, Delaware  
Anthony E. Marchino, Canton  
Ingrid Linda Mayer, Youngstown  
Molly E. McGraner, Columbus  
Robin Elaine McNair, Wayneburg  
Denice Ann Meadows, Columbus  
Mary B. Meyers, Eaton  
Kellie A. Michalski, Pepper Pike  
Beverly Kathleen Miller-Garen,  
Spencerport, N. Y.  
Theresa Anne Murphy, Westlake  
Scott R. Nagy, Brookpark  
André Bernard Orso, Cincinnati

Cecil Theodore Pace, Jr.,  
Charlottesville, Va.  
Chris Takis Papaleonardos, Columbus  
Jeffrey Craig Patterson, Marion  
Kimberly Kay Payne, Trotwood  
Ralph L. Pennington, Jr., Brooklyn, N. Y.  
Craig Alan Pepper, Columbus  
Nancy Lynn Peters, Harlan, Ky.  
Teresa Ann Poston, Columbus  
Lori Kathryn Queen, Mansfield  
Lynda Sue Redd, Columbus  
Darla Kay Reed, Dayton  
Philip J. Reilly, Worthington  
Alisa Marie Revou, Worthington  
Michael Thomas Ridenour, Columbus  
Glenn Rubalcava, Steubenville  
Michelle Ann Schreiber, Canton  
Jacqueline Ann Silas, Middletown  
Edward Craig Smith, Newark  
Richard Craig Smythe, Upper Arlington  
Janice Lynne Spung, Worthington  
Timothy G. Sweeney, Avon  
Jennifer Joyce Thompkins, Cleveland  
Lauren Beth Tishkoff, Shaker Heights  
Lamar Tuten, New York, N. Y.  
Kenneth Emmanuel Upshaw,  
East Cleveland  
Jay Van Arsdall, Waynesboro, Va.  
Jonathan Shock VanHorn, Jr., Columbus  
Joel Dane Walls, Galion  
Clarence Edward Watkins, Jr.,  
Carmen, S. C.  
Sally Kathryn Welsh, Dayton  
William C. Winegardner, Whitehall  
Roderick Fritz Wittich, Columbus  
Faye Brainard Yungfleisch, Columbus  
Carmine R. Zarleaga, Canfield  
John Charles Zimmer, Columbus  
Mary Lynn Zishka, Lancaster

### Bachelor of Science

Gregory J. Bahas, Akron  
Kimberly Jane Coleman, Findlay  
Keith Taylor Cruickshank,  
Upper Arlington  
Terrance L. Hart, Newark  
Gordon Stanley Johnson, Dayton  
Judith Lynn Colleen Keith, Lakewood  
Karen Leslie Kraus, Lincolnwood, Ill.  
Elizabeth Anna McCrory, Newark  
Michael Frank Pabijan, Cleveland  
Gary David Schott, Cincinnati  
Yvonne M. Spaargaren,  
New Hartford, N. Y.  
David Peter Vint, Waynesville  
Kevin S. Wolfe, Columbus

### School of Journalism

#### Bachelor of Arts in Journalism

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Mark Allen Bivenour, Canton  
Pamela M. Blately, Toledo  
Linda Sue Bohmer, Rocky River  
Sue Ann Reulbach Cenci, Bexley  
Jane Marie Comtes, Columbus  
Pamela Elaine Evans, Cleveland  
Linda J. Fisher, Wooster  
Marcia Elaine Frisbee, Columbus  
David L. Greenwald, Chesterland  
Janice Sue Gumbiner, Lyndhurst

Sue Ellen Haidle, Elida  
 Richard Shawn Hendrix, Columbus  
 Scott Alan Hill, Strongsville  
 Cheryl Ann Horn, Pleasantville  
 Nancy Ann Horn, Akron  
 Ellen Kay Kinchen, Bellefontaine  
 David A. Lewis, Johnson City, Tenn.  
 Peter Forbes Loscocco, Columbus  
 William K. Makley, Columbus  
 David Robert Matthews, Mansfield  
 Sharon Lee Mielke, Strongsville  
 Jean L. Mox, Columbus  
 James M. Ozello, Garfield Heights  
 Laurie Anne Patt, Cleveland Heights  
 Denise Jane Presley, Westerville  
 Christine Ann Ranft, Columbus  
 Michael S. Ryan, Cleveland  
 Suzan Diann Saurers, Columbus  
 James Allen Sherman, Sidney  
 Anne Louise Stankey, Perrysburg  
 Mary Wilburn Tinsley, Lynchburg, Va.  
 Sheila Suzanne Webb, Mason

## College of Administrative Science

Dean: H. Justin Davidson

### Bachelor of Science in Business Administration

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 David Donn Alspach, Newark  
 Raymond Allan Apfel, Troutwood  
 Joann Eileen Appel, Youngstown  
 Joyce Elizabeth Applegate, Upper Arlington  
 Daniel Lester Baizel, Cleveland  
 Douglas Allen Baker, Westerville  
 Janet Lynn Baker, Carroll  
 Karen Lorraine Baker, Newark  
 Michael C. Ballard, Middlesboro, Ky.  
 Randall Roy Bartelmay, Boardman  
 Mark Allen Beckett, Columbus  
 Ronald Lee Beery, Woodsfield  
 Carla Jo Belot, Rayland  
 Suzanne Marie Bergen, Cincinnati  
 Charles Anthony Bergfeld, Delphos  
 Helen Berhe, Columbus  
 Van Blanchard, II, Coshocton  
 Dale Everett Blic, Marion  
 Thomas Lee Boss, Sidney  
 Kay Nan Bowman, Columbus  
 John Truman Brandt, Youngstown  
 James Robert Brod, Worthington  
 Charles Allen Brooks, Westerville  
 Joseph Edward Brooks, Elmsford, N. Y.  
 Stacy Alan Brovitz, Stamford, Conn.  
 Ricky S. Buckingham, Marion  
 James Edward Burk, Springfield  
 Anette Marie Burrows, Middleburg Heights  
 Drew Allen Cashmere, Columbus  
 Carl Stephen Chandler, Columbus  
 Leo James Chaplin, Rocky River  
 John Nicholas Chilcote, Westerville  
 Michael Robert Cieslak, Steubenville  
 Kevin Patrick Coady, Columbus  
 Karen A. Colvin, Columbus

Marie Ann Constantine, Cleveland  
 Sharon Lynn Conte, Columbus  
 Crista Carolyn Cooper, Columbus  
 Cynthia L. Corll, Greenville, Pa.  
 Jayn Louise Corral, Columbus  
 Jeffrey William Covert, Worthington  
 William Randall Cox, Springfield  
 Franklin James Curtis, II, St. Clairsville  
 Gretchen Rauch Cypher, Groveport  
 Alan John Dagil, Amherst  
 Catherine Marie Daniel, Columbus  
 Jeffrey Scott Davies, Massillon  
 Gayle McMillan Davis, Coldwater  
 Susan Lynn Davis, Akron  
 Mark Anthony Deem, Columbus  
 David E. Driver, Columbus  
 Doreen Bernice Duto, Reynoldsburg  
 Mark Alan Dye, Columbus  
 Richard Wayne Dye, Columbus  
 Shelley Gaye Eckstein, Mansfield  
 Martin Lawrence Ellerbrock, Leipsic  
 Vicki Lynn Engram, Cleveland  
 Anthony Joseph Eramo, Columbus  
 David Bruce Fahrenholz, West Alexandria  
 Mary Anne Fanale, Lancaster, Pa.  
 Grant William Felmet, Wintersville  
 Brian Thomas Feron, Medina  
 Vincent Louis Fiorita, Dayton  
 Janet Ann Forman, Brecksville  
 Stephen Robert Freireich, University Heights  
 Susan Amy Frey, Marysville  
 Ronald Leigh Fritch, Prospect  
 Peter Martin Fuhbrigge, Toledo  
 Christopher John Gaertner, South Euclid  
 Mario Gaitanos, Canton  
 Janet Elizabeth Gallup, Van Wert  
 John Griffith Gardner, Westerville  
 Gregory Robert Garver, Middletown  
 Dennis Stephen Gerber, Medina  
 Lisa Ann Gialdini, Zanesville  
 Robby Dean Gillespie, Galion  
 Dave Patrick Gillock, North Royalton  
 Randy Wayne Glatz, West Alexandria  
 Phillip Joseph Gomez, Columbus  
 John Pittman Gorske, Oberlin  
 Michele J. Graham, Newark  
 Alan Jay Groedel, Rye Town, N. Y.  
 Joseph P. Habuda, III, Youngstown  
 Gregory Lee Hall, Orrville  
 David Leon Halpern, Cleveland  
 Lisa Joy Halpert, Pepper Pike  
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 David Scott Hatton, Cleveland  
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 Mark Vawter Hedges, Columbus  
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 Clay Thompson Hildebrandt, Columbus  
 Kenneth Joseph Hinterschied, Columbus  
 Kenneth James Holcomb, Columbus  
 Barbara Eden Horbaly, Brecksville  
 William Richard Huber, Columbus  
 Mark Richard Hunter, Mansfield  
 Cleve Ross Igoe, Vermilion  
 Karen Rose Jackson, Winchester  
 Deborah Ann Jedinak, Newark  
 Laurie J. Johnson, Masury  
 Raymond Taylor Johnson, Cleveland  
 Robert Gaylord Johnson, Zanesville  
 Reino Martti Jokinen, Helsinki, Finland  
 James Jeffrey Kantzer, Marion  
 Steven W. Kastenhuber, Salem  
 Beth Anne Keitch, Dover  
 Kent Baldwin Kershaw, Rockledge, N. J.  
 Molly Elaine Kimball, Columbus

Timothy Lee Kinnison, Tipp City  
 Margaret Diane Kirk, Westerville  
 Brian Frederick Knabe, Newark  
 Thomas Alan Korb, Lyndhurst  
 Bart Douglas Krebs, Coshocton  
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 Kenneth Joseph Kunkleman, Lima  
 Theodore Christie Lambrinides, Cincinnati  
 Frank Melvin Layman, Grove City  
 Hooran Lee, Seoul, Korea  
 Cathy S. Leonhardt, Shelby  
 Bobbi Sue Levy, Chicago, Ill.  
 Lawrence Mark Lieberman, Princeton, N. J.  
 Roger Henry Liening, Columbus  
 Robert Farrell Lockwood, Columbus  
 Ryan James Lokken, Spring Valley  
 Scott Robert Lowrie, Rocky River  
 Chris William Ludwig, Columbus  
 Roxann Victoria MacEwan, Cleveland Heights  
 Gregory Douglas Martin, Gahanna  
 John E. Martin, Cardington  
 Joseph Gordon Mason, III, Ironton  
 Brad Martin Mathias, New Philadelphia  
 Jeffrey Robert McCaw, Cincinnati  
 Mark Allan McClain, Marion  
 Richard Withrow McGraw, Mansfield  
 Betty Louise Meehling, Columbus  
 Cristie Meige, Columbus  
 Steven Charles Mellor, Columbus  
 Murry Jay Mercier, Worthington  
 Edward Joseph Mercker, Lafayette, Ind.  
 Ronald Joel Michel, Columbus  
 Sherr Ann Mikanovich, Euclid  
 Stephen Arthur Miles, Warren  
 Richard James Miller, Columbus  
 Sandra Lynn Miller, Columbus  
 Jay F. Minkin, Canton  
 Stephen Garrett Minnich, Sylvania  
 Jana Rose Miracle, Fairborn  
 Suzanne Monett, Columbus  
 Michael George Monter, Acton, Mass.  
 Amanda Jane Moor, Columbus  
 Tim Scott Morris, Cambridge  
 Timothy James Murphy, Cuyahoga Falls  
 Jane Lee Neptune, Wooster  
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 George Zane Pappas, Warren  
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 William Michael Rehl, III, Westerville  
 Richard Robert Resatka, Warren  
 John C. Reynolds, Shelby  
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 Bruce Hammer Rill, Dayton  
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 Lisa Ann Rohrer, Seville  
 Rhett Coning Rohrer, Brookville  
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Sharon Depinet Rose, Perrysburg  
 Philip Marc Rosengard, Canton  
 Garth Wayne Rowbotham, Conneaut  
 Susan Claire Rozsa, Dillonvale  
 Paiboon Ruangpanyapoj,  
 Bangkok, Thailand  
 Carrie Sue Ruehl, Cincinnati  
 Darryl Gene Ruggles, Fredericktown  
 David E. Rupert, Columbus  
 Bradley B. Russell, Bay Village  
 Thomas Roy Russell, Logan  
 Willie George Saddler, Bradford, Pa.  
 Melinda Anne Salmans, Cambridge  
 Timothy Richard Schilling, Columbus  
 Edward C. Schmidt, Columbus  
 Gregory Kem Schmiedebusch, Ottawa  
 James C. Schmitt, Cincinnati  
 Eugene Petteaway Schulken, Jr.,  
 Phoenix, Ariz.

Michael Joseph Schwierman, Columbus  
 Robert Allen Seekely, II, Cleveland Heights  
 Debra Alta Shaffer, Prospect  
 Mark David Shapiro, Wantagh, N. Y.  
 Tammy Antonette Sheets, Portsmouth  
 Jack William Shields, Cleveland  
 Maria Singer, Gallipolis  
 Clare Rebecca Sires, Shaker Heights  
 Joseph Allen Smalley, Solon  
 Carla Jane Smallwood, Columbus  
 David Jay Smith, Lima  
 Damon R. Snow, Marion  
 Dorothy Sugg Snyder, Springfield  
 Scott Alan Spaulding, Kirkersville  
 Mitchell R. Stafman, Beachwood  
 Stephanie Ann Stahl, Butler  
 Michael Paul Stanko, Parma  
 James O. Stevning, Newark  
 Janis Lee Straub, Youngstown  
 Judith L. Streifender,  
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George J. Swartz, Jr., Vandalia  
 Robert Marvin Sybert, Lima  
 Karen Sue Thomas, Marion  
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 Jeffrey Joe Titus, Columbus  
 Suzanne Trotter, Dover  
 Jeffrey Lee Turner, Marion  
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 Bobbi Luciootti Varble, Newark  
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 Raimund H. Volpone, Dayton  
 Timothy Joseph Watson, Miamisburg  
 Amber R. Weinhart, Akron  
 Alexander H. Welker, Mt. Vernon  
 Michael Joseph West, Beavercreek  
 John Calvin White, Dayton  
 Barbara Joan Williams, Columbus  
 Richard Williams, Jr., Toledo  
 Steven Jerome Williams, Columbus  
 Michael Gregory Wilson,  
 Winston-Salem, N. C.

Steven Scott Wilson, Montgomery, Ill.  
 James Alex Wolfinger, Grove City  
 Amy Lap-Kwan Wong,  
 Kowloon, Hong Kong  
 Theresa P. Woodward, Corning, N. Y.  
 Christine Marie Wren, Lima  
 Donald Joseph Yablonski, Jr., Rayland  
 Wah Yee, Columbus  
 Michael David Zell, Aberdeen, N. J.  
 Susan Kay Zellers, Youngstown

### Bachelor of Science in Labor and Human Resources

Scott Edward Baum, Akron  
 Nancy Wack Cavanaugh, Canfield  
 Steven Glen Clark, Jackson  
 Charles Eckhart Gayler, II, Columbus  
 Cynthia Haering, Powell  
 David P. Hewitt, North Olmstead  
 Lisa Lianne Schra, Fairborn  
 Stephanie Jane Whitis, Cambridge  
 Karen Sue Wilgus, West Mansfield  
 Ronald Lee Zunk, Toledo

David Eugene Weiss, Ansonia  
 Kathleen Louise Wheatley, Conneaut  
 Thomas James Wilhelm, Reynoldsburg  
 Carl Andrew Zaboly, Chagrin Falls  
 George Michael Zavis, Rocky River

### Bachelor of Science in Food Science

Jeffrey Alan Nichols, Findlay

### Bachelor of Science in Food Technology

Robert William Wernke, Loveland

### Bachelor of Science in Nutrition

John Robert Fortener, Kettering

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

### Bachelor of Science in Agriculture

Susan Jane Adelman, McArthur  
 John William Aldrich, Doylestown  
 John Frederick Altmaier, Bexley  
 Stephen Lee Baughn, Washington C. H.  
 Carl Ernest Bell, Logan  
 Holly Kay Biemler, Milan  
 Leisa Rae Boley, Coldwater  
 Ann Elizabeth Bryner, Kent  
 Thomas Dean Burton, Casstown  
 Pamela Jean Corle, Springfield  
 Richard Allen Cottier, Sandusky  
 Douglas Jay Dawson, Mt. Gilead  
 Carlos Enrique Diaz, Caracas, Venezuela  
 Tracy Marie DiSabato, Columbus  
 Jeffrey Allen Erf, Columbus  
 Jean Kathryn Gillmore, Mentor  
 Dennis William Hall, Marysville  
 Terese Marie Hannigan, Parma  
 Thomas Philip Helmkamp, Akron  
 Barbara Joan Hendricks, Orient  
 Theresa Lynne Herron, Batavia  
 Jorge Emilio Irizarry, Columbus  
 Edwin Dean Jackman, Ashland  
 Pamela Sue Jackson, Powell  
 Lisa Renee Johnson, Newark, Del.  
 Kevin Robert King, North Canton  
 Elissa Louise Kiems, Cincinnati  
 Scott David Knowles, Clayton  
 Brent Murbach Kosch, Continental  
 Cynthia Marie Kozak, Orchard Park, N. Y.  
 Mary Theresa Myers, Cincinnati  
 Keith Benjamin Nicholson, Newark  
 William Gary Orcutt, Pioneer  
 Tana Marie Ream, Massillon  
 Susan Kathryn Riffell, Bradford  
 Terry Scott, Dennison  
 Juliana Wilson Seelbinder, Worthington  
 Richard Clinton Sheridan, Carroll  
 Charles William Shirk, Richwood  
 Lawrence Anthony Smeltzer, Nashport  
 Jean Earley Sowards, New Vienna  
 Lisa Jean Straight, Whitehouse  
 Gerald Feike Swindler, Wilmington  
 Lora Leigh Tompkins, Hillsboro  
 John Michael Townsley, Xenia  
 Judith Ann Trott, Columbus  
 Clara Roberta Turner, Vandalia  
 Martha Rose Wank-Vandayburg,  
 Richmond Heights

### School of Home Economics

#### Bachelor of Science in Home Economics

Sharon Lynn Agin, Beachwood  
 Michelle Marie Brown, North Canton  
 Patricia Sue Butler, Cincinnati  
 Beth Ann Castetter, Terrace Park  
 Marie Guglielmo Chihil, Columbus  
 Barbara J. Conroy, Canfield  
 Teresa Jane Copey, Wilmington  
 Julianne Cryder, Columbus  
 Susan Lynn Evans, Manchester  
 Judy Ann Ferguson, Waverly  
 Cynthia Allison Gardier, Columbus  
 Melissa Marie Gatewood, Zanesville  
 Joan Marie Gaudion, Dayton  
 Renee F. Grimm, Ironton  
 Hajjah Noorani Hamzah, Malaysia  
 Karen Denise Haynes, Columbus  
 Kathleen Mary Herr, Toledo  
 Paula Kay Hodapp, Centerville  
 Marilyn June Hosterman, Warren  
 Joy B. Jacobs, York, Worthington  
 Lisa Christine Kirk, Worthington  
 Deborah O. McClary, Worthington  
 Emily Dianne Means, Columbus  
 Pamela M. Mizelle, Columbus  
 Cindy Coody Moseman, Columbus  
 Corinne Marie Moyer, Columbus  
 Mary Joyce Mramor, Pittsburgh, Pa.  
 Eileen G. Nierras, Mansfield  
 Regan Loraine Renninger, Cincinnati  
 Mary Roderick, Morehead City, N. C.  
 Beth Schaeper, Washington C. H.  
 Jill Schaeper, Washington C. H.  
 Kim Symantha Shropshire, Springfield  
 Frances Anne Slaman, Bay Village  
 Velma Rae Spitzer, Jamestown  
 Patricia Lynn Strickland, Dayton  
 May Joy Tom, Columbus  
 Jean Marie Veatch, Columbus  
 Deborah Ann Wentz, McCutchenville  
 Dorinda Kay White, Columbus  
 Sara L. Wion, Chandlerville  
 Susan Mary Wolf, Columbus  
 Nancy Jane Young, Toledo  
 Marianne Zilinskas, Amherst

## Bachelor of Science in Restaurant Management

Patricia Mary Angowski, Maywood, N. J.  
Jeffrey Paul Brown, Reynoldsburg  
Terri Linn Phillips, Mt. Vernon  
Mark Allen Thompson, Englewood

## School of Natural Resources

### Bachelor of Science in Natural Resources

Timothy J. Bader, Akron  
Raymond Robert Bauman, Columbus  
Gary Lee Beebe, Columbus  
George Charles Conrad, Hamilton  
Patrick Joseph Conroy, Cleveland  
Celeste Grace Cook, Toledo  
Jon Fredrick Gafford, Columbus  
Rosanna Jeanne Gusler, Delaware  
K. William Hauer, Columbus  
Anna Jenkins, Dayton  
Robert Paul Lynch, Worthington  
Timothy Vincent Malay, Friendswood, Tex.  
John Steven Marics, Cleveland Heights  
Linda Gaye Myers, Middletown  
Mark Steven Roberts, Brecksville  
Sean Bryan Robey, Columbus  
James Allen Slutz, Magnolia  
Joel Dale South, Columbus  
Eric Wayne Tittsler, Columbus  
Margaret Ann Townsend, Columbus  
Steven James Wagner, Sidney  
Thomas J. Zablotny, North Royalton  
Karen Eleanor Zahn, Mansfield

## Agricultural Technical Institute—Wooster

### Associate in Applied Science

Ruth Ann Adamski, Powhatan Point  
David Gregory Baughman, Youngstown  
Barbara Cottrell Boron, Tempe, Ariz.  
Jacqueline Eileen Drachenberg, Strongsville  
Cathy Lorene Fields, Brecksville  
Jennifer Christine Hsanay, Parma  
Carole Louise Kirk, Vincent  
James William Kreglow, Bellevue  
Anita Louise Lokai, New Carlisle  
Pamela Ann Parente, Cuyahoga Falls  
Douglas Jay Parrett, Washington C. H.  
Kathryn Ann Rickard, Seville  
Robert R. Ries, Galloway  
Donald Joseph Seliskar, Sunbury  
Bruce Randal Shalter, Continental  
Timothy Paul Springer, Sebring  
Claire Harris Sundberg, Wooster  
Diane Elizabeth Tuhoski, Strongsville  
Jill Marie Vandemark, Gomer  
Richard Allan Weeks, Toledo  
Carol Ann Wentz, Mansfield  
Susan Elizabeth Williard, Klingerstown, Pa.

## College of Dentistry

Dean: William R. Wallace

### Doctor of Dental Surgery

Frederick Joseph Burger, Defiance  
B.A. (University of Toledo)  
Mark Norman DePuy, Dearborn, Mich.  
B.S. (University of Pittsburgh)  
Mark Bernard Eighan, Canfield  
B.S.  
Beverly Joan Fanz, Kettering  
B.S.  
Isai Isaac Fishkin, Cincinnati  
John Campbell Fowler, Mount Vernon  
B.A. (Capital University)  
Kathleen Mary Greene, Zanesville  
B.S.  
Chester Leon Layne, Proctorville  
B.S. (Marshall University)  
James Lanz Mapes, Hubbard  
B.A. (Miami University)  
Steven Quinn Paris, Oregon  
B.A. (University of Toledo)  
A. Wayne Quillen, Troy  
B.S. (Wright State University)  
Michael James Sullivan, Mt. Sterling  
B.S.

### Certificate of Graduate Dental Hygienist

Nancy Ann DeCaprio, Mayfield Heights  
Karen Beth Iacurci, Kettering  
Christine Ann Miller, North Canton  
Karolyn Kei Price, Centerville

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Rhonda McMillen Aller, Carroll  
Anastasia Poles Anast, Newark  
Michael Harold Anderson, Westerville  
Gertrude Clare Backlund, Newark  
Donna Lee Beckett, Columbus  
Cheryl Anne Betz, Columbus  
June Karen Brewer, Westerville  
Ann Marie Briggs, Powell  
Barbara Lee Brueggemeyer, Cincinnati  
Rebecca Rae Buffington, Gahanna  
Elizabeth Vira Carey, Westfield Center  
Jane Joseph Carter, Columbus  
Leng Sim Chin, Selangor, Malaysia  
Maria Ciminello, Columbus  
Binette Theresa Cogswell, Lucasville  
Judith Louise Cohen, Dayton  
Shelley Lee Cohen, Columbus  
Kristina Marie Connett, Gahanna  
Douglas Edward Darnell, Madison  
Jane Gleason Darnell, Kent  
John Drew Ferrall, Cuyahoga Falls  
Linda Denise Doan, Columbus  
Eric David Ely, Chillicothe  
James Edward Estep, Columbus  
John Drew Ferrall, Cuyahoga Falls  
Cathy Lee Fohlen, Columbus  
Donna Marie Fox, Carroll  
Miriam Susan Franks, Wooster  
Mark Anthony Freeman,  
Toronto, Ontario, Canada  
Bonnie L. Frenzel, New Philadelphia  
Connie Marie Fullen, Grove City  
Carol Jean Georgia, Cleveland  
Lisa Ann Grove, Bellbrook  
Gayle Toth Hall, Columbus  
Kathce Helen Harmon, Mansfield  
Richard Cameron Haskins, West Jefferson  
Charlene Annette Haught, New Matamoras  
Kerrie Lynn Hein, Long Beach, Calif.  
Linda Susan Heyman, Upper Sandusky  
Ted Hodgson, Columbus  
Gary Carl Hoppenstand, Columbus  
Kimberly Jo Kelllogg, Bellefontaine  
Jill Ann Kiess, Bucyrus  
Judith Marie Kleinman, Beachwood  
Machelle Richardson Kline, Westerville  
Donald Fredrick Kloss, Jr., Hilliard  
Patti-Jo Samo Kniesner, Columbus  
Linda Kay Kready, Worthington  
Janice Susan Kutash, Beachwood  
Lisa Lynne Lieb, Reynoldsburg  
Karen Aili Lo, Marion  
Constance Lynn Lutes, Milford  
Marjorie Kristine Lutz, Lancaster  
Dana Ann Maphet, Milford  
Rita Denise May, Plain City  
Christopher Lynn McCabe, Columbus  
Mark Andrew Miller, Bellefontaine  
Catherine Jane Mitten, South Euclid  
Patricia Ann Moats, Coshocton  
Hasnah Mohd-Salleh,  
Kuala Lumpur, Malaysia  
David Joseph Moore, Mansfield  
David William Nosker, Columbus  
Susan Lee Nybell, Columbus  
Ruth L. Paugh, West Jefferson  
Dafna Pery, Kefar Saba, Israel

Janice Pitts, Cincinnati  
 Kimbe Long Polhamus, Troy  
 Marilyn Lee Pollock, Findlay  
 Darlene Marie Quigley, Bay Village  
 Jackie Lee Ray, Delaware  
 Judith Lynn Reichelderfer, Tarlton  
 Cynthia Marie Ryan, Columbus  
 Sally Ann Sage, Bay Village  
 Eileen Marie Scanlon, Newark  
 CarlaAnn Shallenberger, Kent  
 Mary Sue Sheridan, Columbus  
 Susan Kay Shrum, Hilliard  
 Tamara Lynn Smith, Shelby  
 Jayne Ellen Snyder, Newark  
 Scott Edward Spung, Worthington  
 Russell Lowell Stoner, Utica  
 Terri Kay Stricker, Mansfield  
 Jeffery Scott Swanagan, Geneva  
 Georgene Thanos, Willoughby  
 Barbara Ashbrook Van Fossen, Johnstown  
 Kimberly Dianne Walker, Parma  
 Heidi Ann Walton, Delaware  
 Judith Karen Wendt, Columbus  
 Douglas Eugene Williams, Columbus  
 Russell Lynn Winkler, Crestline  
 John S. Wynkoop, Carroll

**Bachelor of Art Education and  
 Bachelor of Music Education  
 degrees are offered jointly by the  
 College of the Arts and the  
 College of Education.  
 Candidates are listed under  
 College of the Arts.**

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Daniel Leonard Bowdler, Ashtabula  
 Thomas Kevin Dodi, Clayton  
 Laura Wetesnik Fitch, Dayton  
 Keith Lyle Irwin, Columbus  
 Joseph Michael Terry, Columbus  
 Paul Evan Zimpelmann, Columbus

### Bachelor of Science in Agricultural Engineering

Douglas Craig Nelson, Lancaster

### Bachelor of Science in Ceramic Engineering

Robert R. Sickafoose, Canton

### Bachelor of Science in Chemical Engineering

Siamanto Abrami, Isfahan, Iran  
 Robert Bergoch, Chardon  
 William Joseph Grodecki, Seven Hills  
 Kenneth A. Haley, Huntsville, Ala.  
 Brent David Massmann, Deshler  
 William B. Peters, Cincinnati

Pamela Jean Reed, Stockdale  
 Thomas Joseph Reed, Lakewood  
 Richard Andrew SESCO, Brownsville  
 James Alan Telljohann, Columbus  
 Suzanne Mary Wiegleb, Worthington

### Bachelor of Science in Civil Engineering

Osama Mohammed Al-Faour, Columbus  
 Gordon Russell Baker, Shelby  
 Rahim Farahnak Benekohal, Tabriz, Iran  
 Alan Scott Burnett, Cortland  
 Anne Hager, Dayton  
 Radwan Salah Ramlawi, Sidon, Lebanon  
 Sameer Sawaf, Damascus, Syria  
 Timothy Allan Urwin, Independence

### Bachelor of Science in Computer and Information Science

Nena Beth Goodrich Bauman, Gahanna  
 Michael Anthony Broderick, Columbus  
 William Cole Fiere, Columbus  
 David Robert Hamilton, IV, Ottawa  
 Bruce Randall Heater, Columbus  
 Carol Ann Heben, Cleveland  
 Daniel Joseph Hronek, Columbus  
 Kurt Anthony Looper, Dayton  
 Justo José López Elias, Columbus  
 Rena Sue (Hensley) Shampton, Columbus

### Electrical Engineer

Gregory C. Mazza, Columbus  
 Douglas Clair Syler, Columbus

### Bachelor of Science in Electrical Engineering

Keith Alan Bailey, Middletown  
 Chi Hou Chan, Kowloon, Hong Kong  
 Andy Lee Davenport, Rickenbacker  
 Air Force Base  
 Anthony Joseph Fago, Reading  
 Anthony Werner Ganz, Rossford  
 Kenneth Joseph Geisheimer, Lyndhurst  
 Jeffrey D. Graham, McConnessville  
 Diane Marie Hanlon, Berea  
 Terrence Michael Klimchak, Columbus  
 Paul Thomas Kotnik, Chesterland  
 Michael L. Malone, Loveland  
 Kevin Lee Miller, Lore City  
 Reza Norouzian-Shemirani, Columbus  
 Joseph L. Otto, Columbus  
 Gary Michael Pysz, Tonawanda, N. Y.  
 Terry Lee Sawyers, Columbus  
 Burney Alan Scales, Columbus  
 David Morris Scott, Mansfield  
 Richard Marc Scott, Cleveland Heights  
 Brian James Simes, Ft. Knox, Ky.  
 Gregory V. Siverling, Dayton  
 Brentley Gaylor Smith, Niles  
 Timothy Kent Smith, Columbus  
 Mark Daniel Staller, Canton  
 Leo Gerard Walter, Columbus  
 Albert Ernest Weller, III, Columbus  
 Bun Bennet Wong, Hong Kong  
 Rebecca Ruth Young, Columbus

### Bachelor of Science in Engineering Physics

David Reed Conaghan, Lima

### Industrial Engineer

Donald Blaine Thornton, Columbus

### Bachelor of Science in Industrial and Systems Engineering

Yu-Cheng Ai, Westerville  
 Carl Steven Bartels, Cincinnati  
 Lois A. Brunswick, Middletown  
 Kenneth Alan Colosi, Mentor  
 Ernest Burton Hazlett, Jr., Columbus  
 William Gary Johnston, Sandusky  
 Amy Louise Looney, Columbus  
 John Theodore Warner, Worthington

### Bachelor of Science in Mechanical Engineering

Jerold Eugene Adair, Youngstown  
 James Emmett Bodiford, Jr., Mansfield  
 Michael Edward Demarchi, Worthington  
 David Martin Emerling, South Euclid  
 Diane Marie Hanlon, Berea  
 Laura Jane Herrmann, Cincinnati  
 Mark Edward Hipp, Sandusky  
 David Mark Jerome, Columbus  
 Mike O. Kennedy, Columbus  
 Elisabetta Lidia Landi, Delaware  
 James Alan Lannan, Columbus  
 Mark Horrocks Londeree, Lancaster  
 James Andrew Osterbrock, Cincinnati  
 John Lewis Parent, Columbus  
 Michael William Rickly, Columbus  
 Patrick Joseph Riley, Columbus  
 Nicholas Joseph Sherman, Minster  
 Eric William Smith, Sarasota, Fla.  
 Daniel Logan Stahl, Mt. Vernon  
 Bruce Alan Tucker, Columbus  
 Michael Patrick Wesner, Westerville  
 Gary Jay Zaremsky, Cleveland  
 Carlos Manuel Zerpa La Rosa, Venezuela

### Bachelor of Science in Metallurgical Engineering

David Scott Bruner, Middletown  
 Rebecca Anne Kiovisky, Concord, Mass.

### Bachelor of Science in Mining Engineering

Jeffrey Allen Ash, Marietta  
 Robert R. Britton, Columbus  
 Ben Bushe, Massillon  
 Philip Barton Deaton, Fairborn  
 Christopher Isaac Walton, Logan

### Bachelor of Science in Welding Engineering

Frank August Lamantia, Toronto  
 David Wayne Meyer, Mantua  
 David Wayne Struckman, Columbus  
 Daniel Tychonievich, Liverpool

## School of Architecture

### Bachelor of Science in Architecture

Jacob Baraban, Tel Aviv, Israel  
Marcus Jay Brewer, Columbus  
Noel Lawrence Cupkovic, Parma  
Robert Joseph Giesken, Gahanna  
Thomas Alan Graham, Columbus  
Bradley Bannon Smith, Rocky River  
William Francis Speck, Newton, Pa.  
Joseph Anthony Trepicone, New Castle, Pa.

### Bachelor of Science in Landscape Architecture

Dale Eric Bowyer, Maineville  
Robert Randall Buchanan, Olmsted Falls  
Stephen Redding Burns, Troy  
Stephen Michael Joos, Springfield  
Sandra Kay Locke, South Vienna

## College of Medicine

Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

Janice Gail Bowen, Columbus  
B.A. (Stanford University)  
Mary Thoesen Coleman, Columbus  
B.S. (St. Joseph's College)  
Richard Edwin Early, Columbus  
B.S. (Miami University)  
Suzanne Bruckel Haefele, Worcester, Mass.  
B.S. (Denison University)  
Clare Helen Legursky, Cincinnati  
B.S. (College of Mt. Saint Joseph)  
Edward Jay Levine, Columbus  
B.S.  
Jeffrey Thomas Martin, Alliance  
Mary Phillis McNamara, Columbus  
B.S.  
Charles Whiting Richard, III, Dayton  
B.S. (Stanford University)  
Joe William Sayre, Columbus  
B.S.Ch.E.  
David Bradley Seitzinger, Canton  
B.S.  
Mary Louise Shaw, Washington C. H.  
B.A. (Miami University)  
James H. Stafford, Dayton  
B.A. (Miami University)  
Stephen Lewis Strobel, Columbus  
B.S.  
Michael Francis Zorko, Olmsted Falls  
B.S. (University of Akron)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Shirley Ann Chromik Block, Albion, Pa.  
Charles Albert Dietz, Jr., Kenton  
Jerry Dean Francis, Tipp City  
Duane Louis Fuerst, Delphos  
Michael Dean Giamo, Philadelphia, Pa.  
Christine Ann Mickley Pitts, Danville  
Barbara Rowe Strain, Columbus  
William Dane Weeks, Kettering

### Certificate of Nurse Anesthetist

Tamara Ann Elliott, Columbus  
B.S. Nursing

## School of Nursing

### Bachelor of Science in Nursing

C. Lynn Ahlers, Bay Village  
Theresa Ann Baldassarre, Wellsville  
Helene Ingrid Basehart, Columbus  
Janice Marie Bis, North Olmsted  
Kay Lee Brenning, Springfield  
Linda Carol Dotson, Columbus  
Jane Marie Ervin, Jackson  
Susan Diane Evans, Dayton  
Virginia Mary Fuhringer, Cleveland  
Marjorie Gould Geason, Union Grove, Wis.  
Becky Ann Gruner, Gibsonburg  
Monica Barbara Hackett, Bay Village  
Carolynn Regina Heimiller, Columbus  
Andrew Joseph Homa, Willoughby  
Tom Alan Hostetler, Hicksville  
Kathleen Oshinski Imboden, Columbus  
Deborah Rae Jones, Columbus  
Donna Lynn Koch, Avon  
Roberta Anne Menning, Toledo  
Diane Sue Morley, Plain City  
Mary LaRosa Pritt, Parma  
Iris Jeanette Rozenblad, Youngstown  
Amy Jane Sabo, North Canton  
Connie Elaine Scherger, Orrville  
Susan Deen Snow, Cincinnati  
Jean Ann Strauch, Columbus  
Susan Karen Struch, Pittsburgh, Pa.  
Patricia Marie Sullivan, Marion  
Joyce Ellen Sutfitt, Maple Heights  
Katherine Anne Utrecht, Cincinnati  
Jodi Lynn Weisman, Lyndhurst  
Marcia Anne Zvosec, Lorain

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

Cheri Jenne Glaus, Mogadore

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Steven Robert Berner, Kettering  
Carol Lynn Cunningham, Mt. Gilead  
Emil Dontenville, Columbus  
Jane Mary Edzkowski, Tiltonsville  
Kevin Raymond Fearon, Cuyahoga Falls  
Evelyn Kay Hansen, Gahanna  
B.S. (Salisbury State College)  
John Hess, Elyria  
Garry Dean Hobson, Trenton  
Joy Egbosimba Moneme, Columbus  
James Michael Rice, Wheelersburg  
Barbara Stone Schaad, Mansfield  
Carole Ann Slencsak, Middleburg Heights  
Jeffrey Daniel Smich, Parma  
Larry Dean Towning, Zanesville  
Karen Sue Trinkle, Cincinnati  
B.S.  
Chrisanne Webster, Utica  
Philip Jeffrey Weinblatt, Columbus  
B.S.; M.S. (Texas A & M University)  
Douglas Allen Wittenauer, Poland

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Timothy Ayers, Columbus  
Sharon Kimberly Bain, Chillicothe  
Patricia Ann Brown, Grove City  
Joyce Ann Danglede, Madison, Ind.  
Susan H. Greene, Mayfield Heights  
Jo Ann Landon, Columbus  
Yuk-Hi Patrick Leung, Columbus  
Linda Patricia Malone, Columbus  
Gail Anne Rindfleisch, Worthington  
Goefrey Summers, Columbus  
Jemma Dean Wise, Columbus

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

**Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

### With Distinction in Accounting

Michael Paul Stanko

### With Distinction in Agricultural Education

Leisa Rae Boley  
Dennis William Hall

### With Distinction in Anthropology

Nancy Lynn Peters

### With Distinction in Computer and Information Science

Nena Beth Goodrich Bauman

### With Distinction in Home Management and Housing

Beth Schaeper

### With Distinction in Horticulture

Jeffrey Allen Erf

### With Distinction in Programming for the Severely Delayed

Theodore Roy Fireman

### With Honors in the Liberal Arts

Bruce Allen Johnson  
Elizabeth Anna McCrory

### Cum Laude

Rhonda McMillen Aller  
Barbara Ann Behrendt  
Van Blanchard, II  
William Herbert Boggs  
Naci Ihsan Bozkır  
Marjorie Bennett Bray  
Sue Ann Reulbach Cenci  
Chi Hou Chan  
Mary Thoesen Coleman  
Mary Maclay Copenhaver

Pamela Jean Corle  
Cynthia Louise Deyling  
Shelley Gaye Eckstein  
Wendy Sue Finch  
Robert Charles Foti  
Virginia Mary Fuhringer  
Jean Kathryn Gillmore  
Gayle Toth Hall  
Barbara Joan Hendricks  
Linda Sue Heyman  
Kimberly Jo Kellogg  
David A. Lewis  
Ellen Sue Lieb  
David Wayne Meyer  
Mark Andrew Miller  
Amanda Jane Moor  
Susan Lee Nybell  
Laurie Anne Patt  
Julie Marie Price  
William Michael Rehl, III  
Richard Robert Resatka  
Kathryn Ann Rickard  
Sharon Depinet Rose  
Thomas Roy Russell  
Edward C. Schmitt  
Robert Allen Seekely, II  
Timothy Kent Smith  
Mary Wilburn Tinsley  
Colin M. Talcroft  
Theresa D. Woodward  
Carmine R. Zarlenga

### Cum Laude with Distinction in Agricultural Education and Horticulture

Tracy Marie DiSabato

### Cum Laude with Distinction in Family Relations and Human Development

Susan Mary Wolf

### Cum Laude with Distinction in Home Management and Housing

Jill Schaeper

### Cum Laude with Honors in the Liberal Arts

Jeffrey Kent Hasenfrazt  
Christine Ethel Johnson-Pappas

## Summa Cum Laude

Ronald Lee Beery  
Stacy Alan Brovitz  
Martin Lawrence Ellerbrock  
Susan Amy Frey  
Ronald Leigh Fritch  
Janet Elizabeth Gallup  
Matthew Werner Ganz  
Thomas Alan Graham  
Patti-Jo Samo Kniesner  
Cathy S. Leonhardt  
Pamela Ann Parente  
Marilyn Lee Pollock  
Mitchell R. Stafman  
Stephen Lewis Strobel  
Amy Lap-Kwan Wong  
Cheryl Lee Zimmerman

### Summa Cum Laude with Distinction in Family Relations and Human Development

Cindy Coody Moseman



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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-SECOND MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 4, 1981

The Board of Trustees met at its regular monthly meeting on Friday, September 4, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

September 4, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

### RESOLUTIONS IN MEMORIAM

Resolution No. 82-17

*Synopsis: Resolutions honoring the service of four of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Robert O. Chadeayne

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 19, 1981, of Robert O. Chadeayne, Associate Professor Emeritus in the College of the Arts.

Professor Chadeayne joined the faculty of The Ohio State University in 1943, and served as a painting instructor until his retirement in October, 1963. He began his teaching career at Quiassaic Hall, Newburgh, New York, and then became head of the drawing and painting department of the Columbus Art School in 1927, a position he held until 1943. During part of this period he was dean of the Columbus Art School.

In addition to his University activities, Professor Chadeayne taught children's art classes and organized and taught private classes for business and professional men, as well as for women members of The Columbus Gallery of Fine Arts. He continued to paint and exhibited his work professionally in national exhibitions, including the Corcoran-Biennial, Washington, D. C.; the National Academy of Design; the Art Institute of Chicago Annual; the Peabody Institute; and others. He held numerous one-man exhibitions. He was awarded the Norman Waite Harris medal at the Art Institute of Chicago, the John Lambert Purchase prize at the Pennsylvania Academy of Fine Arts, the Franz Huntington prize, the Schumacker purchase prize, and eight other first prizes in the Columbus Art League. He also received a medal for "Contribution to the World of Art" at the Hall of Science and Art, World's Fair, New York City.

September 4, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Robert O. Chadeayne (contd)

Professor Chadeayne's work is represented in numerous collections, including the permanent collection of the Pennsylvania Academy of Fine Arts; The Columbus Gallery of Fine Arts; Capital University; the Dr. E. G. Stillman private collection (New York City); the permanent collection of the Canton Art Institute, Canton, Ohio; and many others.

Since coming to Columbus in 1927, Professor Chadeayne was a member of the Columbus Art League and held numerous executive positions in the League, including that of president.

Professor Chadeayne was born in Cornwall, Orange County, New York, December 13, 1897, and he received his early education in Cornwall High School, Colgate University, and the Art Students' League, New York City.

On behalf of the University, the Board of Trustees wishes to express to his family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

Mary Alice Diehl

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 15, 1981, of Mary Alice Diehl, Instructor Emeritus in the Cooperative Extension Service.

Mrs. Diehl was born in Hinton, West Virginia. She attended Wittenberg University and The Ohio State University receiving a Bachelor of Science in Home Economics degree.

Mrs. Diehl was a home economics education teacher in Harlan, Indiana; Magnetic Springs, Ohio; and Grove City, Ohio. She later served as a home service director for Ohio Edison.

She was a home economics teacher at Raymond, Ohio, before joining the Ohio Cooperative Extension Service as a home demonstration agent in 1946. Mrs. Diehl served in this position in Union County until her retirement on December 31, 1961.

On behalf of the University community, the Board of Trustees expresses to the family of Mrs. Diehl its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and her many friends and associates have sustained.

Dan J. Eustice

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 5, 1981, of Dan J. Eustice, Associate Professor in the Department of Mathematics.

September 4, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Dan J. Eustice (contd)

Professor Eustice was born in Detroit, Michigan, on May 3, 1931. He attended Mankato State College from September 1949 to June 1953 at which time he received the B.A. degree in science and mathematics. From September 1953 to June 1955, he was a half-time teaching assistant in the Department of Mathematics at Purdue University and received the M.S. degree in mathematics from Purdue at the end of this period. From June 1955 to September 1957, Professor Eustice was employed by the National Aeronautics and Space Administration agency in Cleveland, Ohio. In September of 1957, he returned to Purdue University and received his Ph.D. degree there in January 1960. He resumed his position as Research Engineer at N.A.S.A. in Cleveland and continued there until September 1961 when he joined the faculty at the University of Illinois. In September of 1966, he became a faculty member of the Department of Mathematics at The Ohio State University as an Assistant Professor and was promoted to the rank of Associate Professor in September 1968.

Professor Eustice was a member of the American Mathematical Society and served as problem editor for Mathematics Magazine for several years. He had a creditable record of publication in the area of orthogonal series. His strong commitment to gifted undergraduates was manifest by his dedicated service on the Honors Committee and by the outstanding effort he made in preparing students for national competitions in mathematics.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Leland D. Schuler

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 1, 1981, of Leland D. Schuler, Assistant Professor Emeritus in the Cooperative Extension Service.

Mr. Schuler was County Extension Agent, Agriculture, in Geauga County from 1951 until his retirement in 1974. He had previously been an Associate County Extension Agent in Lorain County from 1947 until 1951.

Mr. Schuler was born on a farm near Coshocton, Ohio, on April 28, 1918. After graduating from Clark High School, Clark, Ohio, in 1935, he earned two degrees in agriculture from The Ohio State University—Bachelor of Science in Agriculture in 1939 and Master of Science in 1960.

He was a vocational agriculture instructor in the Nashville and Big Prairie Schools from 1939 to 1941. He then moved to Millersburg to a similar position. After a three-year tour of duty in the U. S. Army Air Force, he became a vocational agriculture instructor in the Hopewell-Loudon and Jackson-Liberty Schools in 1946 and 1947.

September 4, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Leland D. Schuler (contd)

Leland Schuler made several outstanding contributions to Geauga County. He took the leadership in assisting area farmers in both the production and marketing of quality maple syrup. Through his help, Geauga County maple syrup became nationally known.

Mr. Schuler gave leadership to the organization of an area feeder pig production and marketing program. This has been of real value to the area, particularly among the Amish.

Mr. Schuler worked with the county dairy industry to develop programs in dairy herd improvement and in milk marketing and consumer education. He also worked with the 4-H program in Geauga County and was one of the extension faculty responsible for securing and developing 4-H Camp Whitewood, used annually by thousands of young people.

Mr. Schuler served as president of the OSU alumni in Geauga County, chairman of Northeast Ohio 4-H Camps, Inc., chairman of Geauga County Maple Festival and associate director of National Maple Syrup Council, and was a charter member of Geauga County Planning Commission. He served on the Natural Resources Task Force Committee on the OSU College of Agriculture and the Kent State University Center advisory board in 1969 and 1970.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Schuler its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that they, the University and his many friends and associates have sustained.

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**ADMISSION TO THE OHIO STATE UNIVERSITY,  
EFFECTIVE AUTUMN QUARTER 1983**

Resolution No. 82-18

*Synopsis: Approval is requested to announce that it is the intention of The Ohio State University that effective Autumn Quarter 1983 unconditional admission of new freshmen to the University will be granted only upon completion of a college preparatory high school curriculum as defined by the State Board of Education.*

WHEREAS The Ohio State University has worked and will continue to work actively toward improving the quality of college preparatory instruction in the high schools in the State of Ohio; and

WHEREAS the Advisory Commission on Articulation Between Secondary Education and Colleges of the Ohio Board of Regents and the State Board of Education has recommended that completion of a college preparatory high school curriculum be necessary for unconditional admission to Ohio's four-year colleges and universities; and

September 4, 1981 meeting, Board of Trustees

**ADMISSION TO THE OHIO STATE UNIVERSITY,  
EFFECTIVE AUTUMN QUARTER 1983 (contd)**

WHEREAS it is the mission of The Ohio State University to provide instruction which is beyond the secondary level; and

WHEREAS The Ohio State University has a strong commitment to improving the level of understanding of college expectations and to meeting the educational needs of minorities, women and the educationally disadvantaged; and

WHEREAS the Ohio Revised Code requires at least a two-year notice of any change of admission policy to State-assisted colleges or universities; and

WHEREAS it is the intention of The Ohio State University to use the two-year period of notice to communicate with the high schools and students who may be affected by this resolution:

**NOW THEREFORE**

BE IT RESOLVED, That an announcement be distributed to the high schools and citizenry of the State of Ohio that it is the intention of The Ohio State University that effective Autumn Quarter 1983 admission of new freshmen to The Ohio State University will be on a conditional or unconditional basis, dependent upon completion of a college preparatory high school curriculum.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Mr. Smith:

We discussed this and I think we discussed two items in the RESOLVED--one is the question of legality which we have determined and the other one was the effective date in that there are juniors who have already set their school schedules and commenced classes already that would be affected by this. Maybe starting the policy effective in '84 would be a way out--fairer to those students.

Provost Reynolds:

Could I offer, perhaps, the substitute wording, Mr. Smith, of 'effective no sooner than Autumn Quarter 1983'? Essentially the time is enabling time as we discussed this morning. There are many aspects of this that we need to study, work with guidance counselors, etc., across the state; but we need Board action on it in order to begin working on it which is the situation that we are in, so if we switch that to 'no earlier than Autumn Quarter 1983,' it would leave us with that opening--would that be accepted?

Mr. Smith:

This is '81. I am thinking of the junior who is in a course right now who may intend, for example, to be a vocational education teacher--for some reason he is going to take straight vocational education. I just happen to have gone through school with a student who did that and is now in vocational education and he



September 4, 1981 meeting, Board of Trustees

**ADMISSION TO THE OHIO STATE UNIVERSITY,  
EFFECTIVE AUTUMN QUARTER 1983 (contd)**

Mr. Smith: (contd)

surprised all of us, he went into a vocational education class. And I'm just thinking of juniors who have made decisions like that for one reason or another and set their schedules this year, and when they come here to be admitted in '83, they may not have taken some of the required courses.

Provost Reynolds: But, of course, they would still be admitted.

Mr. Smith:

They would be admitted maybe. I say maybe because I think you are going to have two classifications conditional--those who have no conditions and those who have conditional, and I would think that you would take those who first had no conditions attached to admittance, or is that wrong?

Provost Reynolds:

I look upon this as being two things--it is enabling. It quickly allows us to admit the student who has had the college preparatory curriculum. In a sense it is a reward for it. We hasten by those. It then groups the students who have not, and those we will devote a great deal of time and effort to. We do presently in attempting to assess at what level they are so we may best handle them at Ohio State. And by the same token, I believe this would give a message to high school youngsters, their parents and their schools and we have agreed on that this morning that is very desirable.

Mr. Smith: But for some students though.

Provost Reynolds:

That's why I would suggest that to say no--the only reason that the Autumn Quarter '83 is picked and that we felt the need to bring it in at this time is that it has to be at least two years. There is nothing to say it can't be more than two years.

Mr. Devenow:

Do you want to qualify that, Warren, by saying two years or some revised period subject to Board action?

Mr. Smith: All I want is assurance that some junior . . .

Mr. Devenow: I understand.

Mr. Smith:

. . . will not fall into a trap. Ann is telling me that will not happen and that he is not going to be told, 'Well, you should have that; I didn't know that'--I have no quarrel if that is so. I do have problems with the legality of this, though, and I think we should pass on the condition that it is approved by the Attorney General.

September 4, 1981 meeting, Board of Trustees

**ADMISSION TO THE OHIO STATE UNIVERSITY,  
EFFECTIVE AUTUMN QUARTER 1983 (contd)**

Provost Reynolds: And you and I discussed that and we will work on that.

Mr. Devenow: Did you amend the motion so that--

Provost Reynolds: I have no right to amend the motion.

Mr. Devenow: Who amended the motion?

Mr. Immke: I think we added, subject to the approval of the Attorney General.

Mr. Devenow:

We did amend it at the Fiscal Affairs Committee this morning subject to Attorney General ruling; okay. With that will you accept?

Mr. Smith: Yes.

The Board indicated approval with an affirmative vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-19

President Jennings requested Provost Reynolds to present the first personnel action.

Provost Reynolds:

It is my pleasure and privilege to add something to the very first personnel action which is the recommendation that Dr. Edward H. Jennings be appointed to the title of Professor in the Department of Finance in the College of Administrative Sciences. And to that end I would just like to read a brief statement from Dean Davidson, College of Administrative Science: 'Based on my review and the recommendations of the Faculty of Finance and the College of Administrative Science Personnel Committee, I am pleased to recommend award of tenure and the rank of full professor for Dr. Edward H. Jennings.'

Name:	EDWARD H. JENNINGS
Title:	Professor
Academic Faculty:	Finance
Salary:	No Salary
Effective:	September 1, 1981
Present Position:	President, The Ohio State University

Upon motion of Mr. Galbreath, seconded by Dr. Jacob, the foregoing recommendation was approved by unanimous roll call vote.

September 4, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 10, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles as detailed in the University Budget, be approved.

**Appointments**

Name: MICHAEL E. WHITCOMB  
Titles: Associate Dean for Clinical Affairs, College of Medicine,  
and Medical Director, The Ohio State University Hospitals  
Salary: \$48,000.00 (12-month)  
Effective: July 6, 1981  
Present Positions: Professor, Department of Medicine, and Assistant Medical  
Director, The Ohio State University Hospitals

Name: FIRMAN HEWITT BROWN, JR.  
Title: Professor and Chairman  
Department: Theatre  
Salary: \$48,000.00 (12-month)  
Effective: July 1, 1981  
Present Position: Professor and Chairman, Theatre Arts, Director of Annie  
Russell Theatre, Rollins College, Winter Park, Florida

Name: THOMAS EDWARD MORIN  
Title: Professor and Chairman  
Department: Art  
Salary: \$46,560.00 (12-month)  
Effective: July 1, 1981  
Present Position: Professor and Head, Department of Art, University of  
Akron, Akron, Ohio

Name: SHARON V. REDICK  
Title: Associate Professor and Chairman  
Department: Home Economics Education  
Salary: \$36,000.00 (12-month)  
Effective: July 1, 1981  
Present Position: Associate Professor, Department of Home Economics  
Education, West Virginia University

September 4, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Appointments (contd)**

Name: JERROLD RICHARD VOSS  
Title: Professor and Director  
School: Architecture  
Salary: \$52,560.00 (12-month)  
Effective: August 10, 1981  
Present Position: Professor, Department of City and Regional Planning, The Ohio State University

Name: GERALD P. BRIERLEY  
Title: Professor and Acting Chairman  
Department: Physiological Chemistry  
Salary: \$48,000.00 (12-month)  
Effective: July 1, 1981  
Present Position: Professor, Department of Physiological Chemistry, The Ohio State University

Name: JAMES SARGENT KING  
Title: Professor and Acting Chairman (70 per cent)  
Department: Anatomy  
Salary: \$32,592.00 (12-month)  
Effective: July 1, 1981  
Present Position: Professor, Departments of Anatomy and Surgery, The Ohio State University

Name: WARREN L. ROLLER  
Title: Professor and Acting Chairman (15 per cent)  
Department: Agricultural Engineering  
Salary: \$6,786.00 (12-month)  
Effective: July 1, 1981  
Present Position: Professor and Associate Chairman, Department of Agricultural Engineering, The Ohio State University and the Ohio Agricultural Research and Development Center

**Medical Staff Appointments**

Name	Appointment	Clinical Division
Effective Date: Pending Issuance of Permanent Ohio License		
Thomas Price Houston, M.D.	Attending Staff	Family Medicine
W. Brian O'Malley, Ph.D.	Associate Staff (Psychology)	Physical Medicine and Rehabilitation
Rebecca D. Jackson, M.D.	Courtesy Staff in Physical Medicine and Limited Staff in Medicine, Department of Endocrinology and Metabolism	Physical Medicine and Rehabilitation
John W. Walker, M.D.	Limited Staff in Thoracic and Cardiovascular Surgery (Fellow)	Surgery

September 4, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff Appointments (contd)

Name	Appointment	Clinical Division
Effective Date: Pending Issuance of Temporary Certificate		
Michael J. Torsiello, M.D.	Limited Staff in Plastic Surgery	Surgery
Effective Date: July 8, 1981		
A. Patrick Jonas, M.D.	Transfer from Attending to Courtesy Staff	Family Medicine
Richard Cline, M.D.	Limited Staff in Gastroenterology and transfer from Attending to Courtesy Staff in Preventive Medicine	Medicine
John T. Brandt, M.D.	Attending Staff	Pathology
Hani Abdel-Nabi, M.D.	Limited Staff in Nuclear Medicine	Radiology
Wayne K. Kinning, M.D.	Limited Staff in General Surgery (Vascular Fellow)	Surgery
John Farrell Williams, M.D.	Courtesy Staff in Orthopaedic Surgery	Surgery
Wilhelm A. Zuelzer, M.D.	Limited Staff in Orthopaedic Surgery (Fellow)	Surgery
Daniel R. LeGrand, M.D.	Limited Staff in General Surgery	Surgery
Effective Date: July 21, 1981		
Maroon B. Khoury, M.D.	Limited Staff in Diagnostic Radiology	Radiology

Leaves of Absence Without Salary

HAO CHANG, Professor, Department of History, effective January 1, 1982 through March 31, 1982, to develop a new course in East Asian religion.

JERROLD RICHARD VOSS, Professor, Department of City and Regional Planning, effective July 1, 1981 through August 9, 1981, to continue in his post as Deputy Director of Research and Development for the United Nations Center for Human Settlements.

JERRY F. DOWNHOWER, Associate Professor, Department of Zoology, effective October 1, 1981 through September 15, 1982, to continue his position with the Ecology Section of the National Science Foundation.

JOHN A. FERRARO, Associate Professor, Department of Communication, effective October 1, 1981 through September 30, 1982, for personal reasons.

September 4, 1981 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

SHIRLEY A. WILLIAMS, Associate Professor, Department of Romance Languages and Literatures (Lima Campus), effective October 1, 1981 through March 31, 1982, to accept an invitation to participate in a NEH Resident Seminar.

LARRY RICHARD YODER, Associate Professor, Department of Botany (Marion Campus), effective October 1, 1981 through September 30, 1982, to serve as a Visiting Associate Professor and Program Director of the environmental education center at Goshen College, Goshen, Indiana.

ABDALLA HASSAN ELJACK, Assistant Professor, Department of Veterinary Anatomy, effective July 1, 1981 through July 21, 1981, and August 17, 1981 through June 30, 1982, for personal reasons.

MICHAEL L. SMITH, Assistant Professor, Academic Faculty of Finance, effective October 1, 1981 through June 30, 1982, to accept a Visiting Assistant Professorship at the University of Texas at Austin.

ALAN P. SPRAGUE, Assistant Professor, Department of Mathematics, effective October 1, 1981 through December 31, 1981, to accept a Visiting Assistant Professorship at Clemson University.

NIKKI LYNN CONKLIN, Instructor, Cooperative Extension Service, effective June 1, 1981 through September 30, 1981, for personal reasons.

#### Professional Improvement Leave

RICHARD H. REUNING, Associate Professor, College of Pharmacy, change from Autumn Quarter 1980, Winter Quarter 1981, Spring Quarter 1981, and Summer Quarter 1981 to September 24, 1980 through August 16, 1981.

#### Emeritus Titles

LEWIS C. BRANSCOMB, University Libraries, with the title Professor Emeritus, effective September 1, 1981.

GEORGE M. CLARK, Department of Architecture, with the title Professor Emeritus, effective July 1, 1981.

M. EUGENE CRAVENS, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective September 1, 1981.

LELAND O. DREW, Department of Agricultural Engineering, with the title Professor Emeritus, effective August 1, 1981.

HERMAN J. PETERS, Academic Faculty of Special Services, with the title Professor Emeritus, effective September 1, 1981.

September 4, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Emeritus Titles (contd)**

ARTHUR E. WOHLERS, Academic Faculty of Educational Administration, with the title Professor Emeritus, effective September 1, 1981.

WAYNE E. DIPNER, Department of Architecture, with the title Associate Professor Emeritus, effective July 1, 1981.

FLOYD E. HEFT, Department of Agronomy, with the title Associate Professor Emeritus, effective September 1, 1981.

HELEN G. STORER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective January 1, 1982.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-20

*Synopsis: The reports on contracts, grants, and gifts and the summaries for June and July are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

**NOW THEREFORE**

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station and The Ohio State University Development Fund during the months of June and July 1981, be approved.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JUNE 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	148	\$7,408,454.67
Engineering Experiment Station	52	229,116.00
		\$7,637,570.67
The Ohio State University Development Fund		
Establishment of Named Funds		
The Bernice B. Ross Memorial Scholarship Fund for Music (Undergraduate scholarships - School of Music)		\$ 20,000.00
The Castor Memorial Scholarship Fund (Undergraduate scholarships - students from Wayne County attending Agricultural Technical Institute)		\$ 10,000.00
The William W. and Louisa Castor Memorial Award Fund (Department of Geology and Mineralogy)		\$ 10,000.00
Bill Zipf 4-H Memorial Scholarship (Undergraduate scholarships - agricultural communications or journalism)		\$ 10,000.00
Richards Farms Scholarship in Agricultural Economics and Rural Sociology (Undergraduate scholarships in agribusiness)		\$ 7,500.00
The Tzagournis Teaching and Research Fund (Endocrinology students' research, teaching and patient care)		\$ 5,933.32



September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JUNE 1981 (contd)**

Establishment of Named Funds (contd)

The Kalmbach Family Scholarship Fund (Scholarships - students from Wyandot County in the College of Agriculture and Home Economics)	\$ 5,000.00
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Change Name of Named Fund

From: Department of Pathology Educational  
and Research Discretionary Fund  
To: Baba Memorial Fellowship in  
Pathology Fund

Report from Presidents Club

Members to date	4,477
1981 members: year to date	75
New members - June 1981	14

New Presidents Club Members - June 1981

Richard E. Abbruzzese	Michael J. Kirby
K. Kenney Crooks	Lawrence B. Leiby
Shawn C. Doherty	R. Jeffrey Morris
Shane D. Falleur	Renee C. Rogers (Mrs. Russell A.)
Ronald H. Fewster	Donald C. Seelman
William N. Griffin III	Nansie A. Starr (Mrs. Thomas)
Cheryl Ann Johnson (Mrs. Lawrence)	Thomas R. Sweet

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JULY 1981**

Source	No. of Projects	Support Level
Office of Business and Administration	8	\$2,798,508.11
The Ohio State University Research Foundation	65	4,447,400.65
Engineering Experiment Station	27	245,375.40
		\$7,491,284.16

**The Ohio State University Development Fund**

**Establishment of Named Funds**

The Warner M. and Lora Kays Pomerene  
College of Medicine Research Fund  
(College of Medicine) \$ 60,223.78

The Samuel Freifield Endowed  
Scholarship Fund in Law  
(College of Law) \$ 10,000.00

The C. B. and Ardis H. Stewart  
Scholarship Fund  
(Scholarships - Wood County Residents) \$ 7,000.00

**Change Name of Named Fund**

From: Wood County Scholarship Fund  
To: The William G. Cronenwett Memorial  
Scholarship of Wood County

**Report from Presidents Club**

Members to date	4,489
1981 members: year to date	91
New members - July 1981	16

**New Presidents Club Members - July 1981**

Walter B. Barbe	Stephen D. Righter
Frederick G. Collar	Thor R. Rubin
George F. Erwin	Sheldon G. Shore
John E. Gregory	Raymond J. Siegrist
Edward J. Harris	Maureen C. Sturtz (Mrs. Laurence E.)
Raul A. Hernandez	Joseph E. Sudduth
Milton P. Kalmbach	Thomas T. Taggart
Sallie Ondrey (Mrs. Joseph D.)	Mary E. Weaver (Mrs. Earl)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1981 through June 30, 1981

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	10	\$ 428,484.00
National Science Foundation	44	2,210,683.00
Department of Defense	18	812,234.00
Department of Energy	10	1,306,710.00
Department of Education	12	1,093,665.49
Department of Health and Human Services	69	4,919,309.00
Other Federal	25	1,324,755.00
TOTAL - FEDERAL	188	\$12,095,840.49
STATE OF OHIO	13	\$ 378,665.08
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	75	\$ 2,014,924.63
GRAND TOTAL	276	\$14,489,430.20

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1981 through June 30, 1981

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
FEDERAL	1	\$ 2,500.00
STATE OF OHIO	2	65,365.00
INDUSTRIAL AND OTHER	125	534,539.00
GRAND TOTAL	128	\$602,404.00

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$831,185.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Maternal and Child Health, Rockville, Maryland, Mental Retardation Training, Nisonger Center for Mental Retardation (G. E. Martin), 1 July 1981 through 30 June 1982. (Project 761169 - Continuation)

\$178,267.00 - National Science Foundation, Washington, D. C., Dynamics of the Southern Portion of the Greenland Ice Sheet, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), Institute of Polar Studies (J. F. Bolzan), Department of Mathematics (R. E. Ewing), and Department of Geodetic Science (I. I. Mueller), 1 May 1981 through 31 May 1982. (Project 762103 - Continuation)

\$145,000.00 - National Science Foundation, Washington, D. C., Nuclear Physics Research at Low and Intermediate Energies, Department of Physics (H. J. Hausman, S. L. Blatt, T. R. Donoghue, and E. R. Sugarbaker), 1 June 1981 through 31 October 1982. (Project 761653 - Continuation)

\$132,517.00 - Department of Education, Office of Special Education, Grant and Procurement Management Division, Washington, D. C., The Development of a Curriculum for Pediatric Residents in Handicapping Conditions, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1981 through 30 June 1982. (Project 761774 - Continuation)

\$127,545.00 - Department of Education, Grant and Procurement Management Division, Washington, D. C., Teacher Training Project Leading to a B.S. and M.A. Degree in Elementary Education with Specialty in Bilingual Education, Marion Campus and Academic Faculty of Early and Middle Childhood Education (V. G. Allen), 1 September 1981 through 31 August 1982. (Project 762401 - Continuation)

\$126,214.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, A Model of Parainfectious Demyelinating Encephalitis, Department of Veterinary Pathobiology (G. S. Krakowka), 1 July 1981 through 30 June 1982. (Project 762797 - Continuation)

\$125,000.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, OSU/Microcode Development for CIG, Department of Art Education (C. A. Csuri) and Department of Computer and Information Science (F. C. Crow), 29 June 1981 through 28 June 1983. (Project 762746 - New)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$120,922.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathology of Mitochondria in Ischemic Myocardium, Department of Physiological Chemistry (G. P. Brierley), 1 July 1981 through 30 June 1982. (Project 761229 - Continuation)

\$117,549.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1981 through 30 June 1982. (Project 761160 - Continuation)

\$117,319.00 - Department of Education, Grant and Procurement Management Division, Washington, D. C., Institute for Effective Integrated Education, Academic Faculty of Educational Foundations and Research (W. Wayson), 1 July 1981 through 30 June 1982. (Project 762726 - New)

\$110,000.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Mining and Mineral Resources Research Institute Allotment Program, Engineering Experiment Station (C. Konya), 1 July 1981 through 30 June 1982. (Project 762694 - New)

\$104,409.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Study of the Clinical Pharmacokinetics of Anticancer Drugs, College of Pharmacy (L. Malspeis), 1 May 1981 through 30 April 1982. (Project 761128 - Continuation)

\$104,300.00 - National Science Foundation, Washington, D. C., Hot Corrosion of Metals and Alloys by Fused Salts, Department of Metallurgical Engineering (R. A. Rapp), 1 August 1981 through 31 July 1982. (Project 761799 - Continuation)

\$100,745.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, Trihalomethanes in Water: An Epidemiologic Model, Department of Preventive Medicine (J. R. Wilkins, III and M. D. Keller) and Cancer Research Center (N. A. Reiches), 1 July 1981 through 30 June 1982. (Project 762748 - New)

\$99,880.00 - National Science Foundation, Washington, D. C., Hormonal Regulation of Root Growth, Department of Botany (M. L. Evans), 15 June 1981 through 31 May 1983. (Project 762721 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$93,590.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Chemistry and Pharmacology of Thalictum Constituents, College of Pharmacy (J. L. Beal), 1 July 1981 through 30 June 1982. (Project 761497 - Continuation)

\$84,755.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Development Grant, School of Nursing (J. S. Stevenson), 1 July 1981 through 30 June 1982. (Project 761747 - Continuation)

\$83,425.00 - National Science Foundation, Washington, D. C., Precipitation over the Coastal Areas of East Antarctica, Institute of Polar Studies (D. H. Elliot and D. H. Bromwich), 1 May 1981 through 30 April 1983. (Project 762684 - New)

\$80,441.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Predoctoral Training in Medicinal Chemistry, College of Pharmacy (D. T. Witiak), 1 July 1981 through 30 June 1982. (Project 761123 - Continuation)

\$79,996.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Application of Optical Computing to the Control of Jet Engines, Department of Electrical Engineering, ElectroScience Laboratory (S. Collins), 1 August 1981 through 30 July 1982. (Project 761795 - Continuation)

\$77,467.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Oxalic Acid Metabolism and Primary Hyperoxaluria, Department of Physiological Chemistry (K. E. Richardson), 1 June 1981 through 31 May 1982. (Project 762720 - Continuation)

\$76,119.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pathogenesis of Animal Leukemia, Department of Veterinary Pathobiology (E. A. Hoover), 1 September 1981 through 31 August 1982. (Project 760928 - Continuation)

\$74,643.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Protein Stability and Aging in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 July 1981 through 30 June 1982. (Project 761724 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$72,128.00 - National Science Foundation, Washington, D. C., Syntheses and Studies of Selected Metal Carbonyl and Metalloborane Cluster Systems, Department of Chemistry (S. G. Shore), 1 September 1981 through 31 August 1982. (Project 761767 - Continuation)

\$71,730.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Cancer Center Patient Data System, Cancer Research Center and Department of Preventive Medicine (M. D. Keller) and Cancer Research Center (N. A. Reiches), 1 July 1981 through 30 June 1982. (Project 760789 - Continuation)

\$70,962.00 - National Science Foundation, Washington, D. C., Characterization of Abscisic Acid-Resistant Plant Cell Culture, Department of Botany (J. R. Wong), 1 July 1981 through 30 June 1983. (Project 762727 - New)

\$69,554.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, The Enzymology of Mercury Detoxification, College of Pharmacy (J. W. Williams), 1 July 1981 through 30 June 1982. (Project 762733 - New)

\$68,400.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, TCM Replacement, Department of Civil Engineering (O. Sproul and A. Rubin), 21 May 1981 through 21 May 1983. (Project 762682 - New)

\$68,268.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Rockville, Maryland, Development and Validation of an Interdisciplinary Screening Tool, Nisonger Center for Mental Retardation (W. E. Loadman and F. A. Benson), 1 October 1981 through 30 September 1982. (Project 762390 - Continuation)

\$67,500.00 - National Science Foundation, Washington, D. C., Rainfall Studies Using the Differential Reflectivity Radar Techniques, Department of Electrical Engineering (T. A. Seliga and V. N. Bringi), 1 June 1981 through 31 August 1981. (Project 762445 - Continuation)

\$66,858.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Amphetamine, Monoamines, and Behavior, College of Pharmacy (N. J. Uretsky), 1 July 1981 through 30 June 1982. (Project 761210 - Continuation)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$65,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Advanced Studies for the Geodynamics Program, Department of Geodetic Science (I. I. Mueller), 1 July 1981 through 31 January 1983. (Project 761054 - Continuation)

\$64,990.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Effects of Atmospheric Water Vapor on Infrared Propagation, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Long), 1 June 1981 through 30 November 1981. (Project 762674 - New)

\$64,000.00 - National Science Foundation, Washington, D. C., Low Temperature Electronic Properties of Conducting Solids, Department of Physics (J. C. Garland), 1 July 1981 through 30 June 1982. (Project 762691 - Continuation)

\$63,797.00 - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Rockville, Maryland, The Veterinary Drug Experience Reporting Program, Department of Veterinary Clinical Sciences (P. W. Murdick), 27 June 1981 through 26 June 1982. (Project 762689 - New)

\$62,801.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Clinical Cancer Education Program, Department of Surgery (G. J. Cerilli), 1 July 1981 through 30 June 1982. (Project 761412 - Continuation)

\$62,765.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Studies of Seminal Plasma Immune Response Inhibitor, Department of Medical Microbiology and Immunology (C. Prakash), 1 May 1981 through 30 April 1982. (Project 762167 - Continuation)

\$62,184.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Cardiopulmonary Actions: Trimetoquinol Analogs, College of Pharmacy (D. D. Miller and D. R. Feller), 1 July 1981 through 30 June 1982. (Project 761574 - Continuation)

\$61,215.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Energy Output and Efficiency of Left Ventricle, Department of Physiology (H. P. Pieper), 1 July 1981 through 30 June 1982. (Project 764403 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$60,966.00 - Department of Agriculture, Washington, D. C., Institution Support from the Animal Health and Disease Research Act of 1977, College of Veterinary Medicine - Administration (R. A. Wright), Department of Veterinary Preventive Medicine (W. P. Heuschele), and Department of Veterinary Pathobiology (R. Olsen and L. Nagode), 1 March 1981 through 30 September 1981. (Project 762621 - Continuation)

\$59,133.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 July 1981 through 30 June 1982. (Project 761742 - Continuation)

\$57,593.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1981 through 30 June 1982. (Project 761133 - Continuation)

\$57,199.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Polymerized Tumor Antigen-Adjuvant Immunotherapy, Cancer Research Center (J. A. Neidhart), 1 July 1981 through 30 June 1982. (Project 761757 - Continuation)

\$55,848.00 - Lawrence Berkeley Laboratory, University of California, Berkeley, California, An Electrochemical and Morphological Study of the Effect of Temperature on the Restructuring and Loss of Capacity of Alkaline Battery Electrodes, Department of Metallurgical Engineering (D. D. Macdonald), 1 July 1981 through 30 April 1982. (Project 762220 - Continuation)

\$55,469.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, New Spectral Probes in Hemolytic Anemias, Department of Physiological Chemistry (J. O. Alben), 1 July 1981 through 30 June 1982. (Project 760289 - Continuation)

\$53,966.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, An Interpretive Study of Plate and Shell Buckling, Department of Engineering Mechanics (A. W. Leissa), 3 June 1981 through 15 June 1982. (Project 762059 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$53,845.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Model for Medical Treatments Evaluation, Department of Statistics (E. J. Dudewicz and J. C. Hsu), 1 September 1981 through 31 August 1982. (Project 761814 - Continuation)

\$50,561.00 - National Science Foundation, Washington, D. C., The Utilization of Electrochemical Reactions and Electrochemically Derived Products in Organic Synthesis, Department of Chemistry (J. S. Swenton), 1 September 1981 through 31 August 1982. (Project 762305 - Continuation)

\$50,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Studies on the Syntheses of Boron Hydride Systems, Department of Chemistry (S. G. Shore), 1 July 1981 through 28 February 1982. (Project 762695 - Continuation)

\$50,000.00 - Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis and D. B. Hodge), 12 March 1981 through 12 June 1981. (Project 762612 - New)

\$50,000.00 - Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis and D. B. Hodge), 13 June 1981 through 12 September 1981. (Project 762612 - Continuation)

\$50,000.00 - National Science Foundation, Washington D. C., Paleoclimatic Ice Cored Records from the Tropical Quelccaya Ice Cap, Institute of Polar Studies (D. H. Elliot and L. G. Thompson), 1 June 1981 through 31 May 1982. (Project 762663 - New)

\$49,072.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Flavoenzyme Mechanisms: Redox and Non-Redox Reactions, Department of Chemistry (M. S. Jorns), 1 July 1981 through 30 June 1982. (Project 764374 - Continuation)

\$48,573.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Stereochemistry of Adenylyl Transfer Reactions, Department of Chemistry (M.-D. Tsai), 1 July 1981 through 30 June 1982. (Project 762722 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$45,247.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Role of Axoplasmic Transport in Diabetic Neuropathy, Department of Medicine (J. R. Mendell), 1 July 1981 through 30 June 1982. (Project 761706 - Continuation)

\$45,178.00 - National Science Foundation, Washington, D. C., Predator-Mediated Competition, Department of Zoology (R. A. Stein and G. G. Mettelbach), 15 June 1981 through 31 December 1982. (Project 762677 - New)

\$42,125.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Laboratory Reconstruction of Pedestrian Accidents, Department of Mechanical Engineering (D. A. Guenther), 1 July 1981 through 30 June 1982. (Project 762688 - New)

\$40,000.00 - Department of the Air Force, Headquarters, Aeronautical Systems Division (AFSC), Wright-Patterson AFB, Ohio, Data Processing of Radar Measurements, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski, E. K. Walton, and R. Caldecott), 1 May 1981 through 30 September 1981. (Project 762649 - New)

\$40,000.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Scholarship/Fellowship Grant for Mining and Mineral Resources and Research Institute, Engineering Experiment Station (C. Konya), 1 July 1981 through 30 June 1982. (Project 762747 - New)

\$39,618.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Graduate Training in Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1981 through 30 June 1982. (Project 760708 - Continuation)

\$39,472.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Norpace Kinetics and Bioavailability in Heart Failure, College of Pharmacy (J. J. Lima), Department of Medicine (R. Lewis), and College of Medicine - Administration (C. Leier), 1 July 1981 through 30 June 1982. (Project 762271 - Continuation)

\$38,167.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, Rockville, Maryland, Psychiatry (Child) Residency, Department of Psychiatry (L. E. Arnold), 1 July 1981 through 30 June 1982. (Project 761764 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$37,669.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Energetics of a  $Ca^{2+}$  Cycling During Muscle Contraction, Department of Physiology (J. A. Rall), 1 July 1981 through 30 June 1982. (Project 761174 - Continuation)

\$35,100.00 - National Science Foundation, Washington, D. C., Equipment for Nuclear Astrophysics Measurements, Department of Physics (R. N. Boyd), 1 July 1981 through 30 June 1982. (Project 762675 - New)

\$35,000.00 - National Science Foundation, Washington, D. C., Stereochemistry of Enzyme Reactions Involving a Pro-prochiral Phosphorous Center, Department of Chemistry (M.-D. Tsai), 1 July 1981 through 30 June 1982. (Project 762698 - New)

\$30,000.00 - Department of the Navy, Naval Air Station, Pensacola, Florida, Clinical Evaluation of Active Head Oscillation Test, Department of Otolaryngology (C. W. Stockwell), 5 May 1981 through 1 July 1982. (Project 762681 - New)

\$30,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development, and Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1980 through 30 September 1981. (Project 760927 - Continuation)

\$26,900.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Population Dynamics of White Perch (*Morone Americana*) in Lake Erie, Department of Zoology (T. J. Peterle, F. J. Margraf, and R. F. Carline), 1 April 1981 through 31 March 1982. (Project 762625 - New)

\$25,000.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 1 June 1981 through 31 December 1981. (Project 762718 - New)

\$25,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Investigation of Truncation Error Associated with Transonic Full Potential Equation and Optimum Redistribution of Grid Points, Department of Mechanical Engineering (S. Nakamura), 1 July 1981 through 30 June 1982. (Project 760964 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$24,000.00 - National Science Foundation, Washington, D. C., Fucose Synthesis and Utilization in Mammalian Tissue, Department of Biochemistry (G. S. Serif), 1 July 1981 through 30 June 1982. (Project 762042 - Continuation)

\$23,500.00 - National Science Foundation, Washington, D. C., Relativistic Optical Model at Intermediate Energies, Department of Physics (B. C. Clark), 1 July 1981 through 30 June 1983. (Project 762732 - New)

\$22,773.00 - National Endowment for the Humanities, Washington, D. C., A Translation of V. IA. Proppo's *Istoricheskie korni volshebnoi skazki* (The Historic Roots of the Magic Tale), University Libraries (G. K. Beynen), 1 July 1981 through 28 February 1982. (Project 762723 - New)

\$20,563.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pathogenesis of Preleukemic Aplastic Anemia, Department of Veterinary Pathobiology (E. A. Hoover and P. W. Gasper), 15 June 1981 through 14 June 1982. (Project 762699 - New)

\$19,994.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Xenon Probe Laser for Atmospheric Studies, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Nordstrom), 1 December 1980 through 30 November 1981. (Project 762346 - Continuation)

\$19,600.00 - National Science Foundation, Washington, D. C., Partial Spaces of Higher Dimension: A Combinatorial Study, Department of Mathematics (A. P. Sprague), 1 July 1981 through 30 June 1983. (Project 762735 - New)

\$19,530.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Three Dimensional Image Processing, Department of Electrical Engineering (H. Hemami), 1 June 1981 through 1 July 1982. (Project 762679 - New)

\$16,000.00 - Department of Education, Grant and Procurement Management Division, Washington, D. C., Evaluation, Testing, and Instruction in the Uses of Teaching Materials for Interdisciplinary Undergraduate Course in "Transnational Approaches to International Studies," Center for International Studies (J. S. Adams) and Department of History (M. Waldman), 1 July 1981 through 30 June 1982. (Project 762168 - Continuation)

\$15,027.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Zero Modules and Inverse System Design, Department of Mathematics (B. F. Wyman), 1 July 1981 through 30 June 1982. (Project 762131 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$14,850.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Traineeships, Graduate Health Administration Programs, School of Allied Medical Professions (S. F. Loeb), 1 July 1981 through 30 June 1982. (Project 762226 - Continuation)

\$12,740.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation - Accident Environment, Department of Mechanical Engineering (D. A. Guenther), 1 July 1981 through 1 January 1982. (Project 762743 - New)

\$12,027.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation - Component Tests, Department of Mechanical Engineering (D. A. Guenther), 15 June 1981 through 1 January 1982. (Project 762742 - New)

\$8,610.00 - Department of Education, Office of Special Education, Grant and Procurement Management Division, Washington, D. C., The Development of a Curriculum for Pediatric Residents in Handicapping Conditions, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1980 through 30 June 1981. (Project 761774 - Continuation)

\$8,520.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Additional Work on Propeller Aeroacoustic Methodologies - Comparisons of Propeller Performance and Acoustic Analyses with Wind Tunnel and Flight Test Measurements, Department of Aeronautical and Astronautical Engineering (G. Gregorek and K. Korkan), 12 May 1981 through 30 June 1981. (Project 761510 - Continuation)

\$7,669.00 - National Science Foundation, Washington, D. C., Some Problems in Markov Processes and Potential Theory, Department of Mathematics (N. Falkner), 1 July 1981 through 30 June 1982. (Project 762692 - New)

\$7,425.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Traineeships, Graduate Health Administration Programs, School of Allied Medical Professions (S. F. Loeb), 1 July 1981 through 30 June 1982. (Project 762226 - Continuation)

\$5,700.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Population Biology, Department of Genetics (C. W. Birky and J. A. Banks), 16 June 1981 through 31 May 1983. (Project 762685 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$5,584.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 1 October 1981 through 30 June 1982. (Project 761663 - Continuation)

\$4,971.49 - Department of Education, National Institute of Education, Washington, D. C., Knowledge Interpretation Program (Educational Equity: Phases I and II), National Center for Research in Vocational Education (R. E. Taylor), 1 October 1978 through 30 June 1980. (Project 761396 - Continuation)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762728 - New)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762729 - New)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs, (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762730 - New)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762731 - New)

\$4,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Further Studies of the UV Spectra of Late-Type Stars, Department of Astronomy (R. F. Wing), 1 July 1981 through 31 May 1982. (Project 761634 - Continuation)

\$1,618.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 May 1981 through 30 April 1982. (Project 761628 - Continuation)

\$474.00 - National Science Foundation, Washington, D. C., A Workshop on High Resolution Molecular Spectroscopy in India: Indo-U. S. Program on Science and Technology, New Dehli, Department of Physics (K. N. Rao), 15 May 1981 through 30 April 1982. (Project 762696 - New)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$420.00 - Department of Education, Office of Education, Grant and Procurement Management Division, Washington, D. C., Vocational Technical Education Leadership Development, Graduate School - Administration (J. B. LaPidus) and Academic Faculty of Vocational-Technical Education (A. J. Miller), 1 September 1979 through 31 August 1980. (Project 761272 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$5,923,736.49**

**State of Ohio Research Contracts/Grants**

\$75,000.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio Education Deans' Task Force Project, Academic Faculty for Exceptional Children (T. M. Stephens), 1 June 1981 through 31 May 1982. (Project 762693 - New)

\$64,487.75 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. Zuspan), 1 March 1981 through 31 December 1981. (Project 762533 - Continuation)

\$49,583.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, A Statewide Assessment of the Vocational Programs Currently Offered to Handicapped Students and the Major Barriers Impeding Their More Extensive Availability, National Center for Research in Vocational Education (R. E. Taylor), 15 May 1981 through 30 October 1981. (Project 762690 - New)

\$23,616.00 - State of Ohio, Department of Natural Resources, Division of Wildlife, Columbus, Ohio, Yellow Perch Parasite Research, Department of Zoology (J. L. Crites) and Center for Lake Erie Area Research (J. M. Reutter), 1 July 1981 through 30 June 1982. (Project 762192 - Continuation)

\$17,863.33 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. Kim), 1 March 1981 through 31 December 1981. (Project 762534 - Continuation)

\$12,594.00 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. Zuspan), 1 January 1981 through 28 February 1981. (Project 762744 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$10,496.00 - The Ohio Board of Regents, Columbus, Ohio, CETA-Higher Education Linkage Program: Coordination and Research, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 July 1981 through 30 September 1981. (Project 762379 - Continuation)

\$3,968.00 - The Ohio Board of Regents, Columbus, Ohio, Coordination of Allied Health Education Programs, School of Allied Medical Professions (S. C. Upp and D. C. Broski), 1 July 1981 through 30 September 1981. (Project 761399 - Continuation)

\$3,712.00 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. Kim), 1 January 1981 through 28 February 1981. (Project 762745 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 261,320.08**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$179,615.00 - CPC International, Inc., Englewood Cliffs, New Jersey, Stabilization of Cloning Vectors in HV-2 Host Vector Systems of *Bacillus subtilis*, Department of Microbiology (D. H. Dean), 1 July 1981 through 30 June 1983. (Project 761554 - Continuation)

\$147,762.00 - Boeing Aerospace Company, Seattle, Washington, MX Physical Security System, Department of Electrical Engineering, ElectroScience Laboratory (J. Young, D. Moffatt, and J. Richmond), 5 March 1981 through 14 August 1981. (Project 762606 - New)

\$134,100.00 - World Health Organization, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1981 through 30 June 1982. (Project 760113 - Continuation)

\$58,742.00 - United Cerebral Palsy Research and Education Foundations, Inc., New York, New York, Effect of Phenobarbital on Developing Rat Brain, Department of Pharmacology (S. A. Tjioe), 1 July 1981 through 30 June 1983. (Project 761948 - Continuation)

\$56,865.00 - Pennwalt Corporation, Rochester, New York, Insect Cell Culture, Department of Entomology (W. F. Hink), 1 May 1981 through 30 April 1982. (Project 762159 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$55,359.00 - The Aerospace Corporation, Los Angeles, California, Evaluation of Design Candidate Antenna, Department of Electrical Engineering, Electro-Science Laboratory (R. C. Rudduck), 1 April 1981 through 30 June 1982. (Project 762637 - Continuation)

\$49,738.00 - Exxon Education Foundation, New York, New York, Reflective Teaching Film, Academic Faculty of Educational Foundations and Research (D. Cruickshank), 1 July 1981 through 30 June 1982. (Project 762686 - New)

\$49,215.00 - University of Minnesota, St. Paul, Minnesota, Schools and Adolescent Development, Department of Psychology (D. Blyth), 1 June 1981 through 31 December 1981. (Project 762683 - New)

\$40,771.00 - Elsa U. Pardee Foundation, Midland, Michigan, Neutron Capture Therapy with Boronated Monoclonal Antibody, Department of Pathology (R. F. Barth), 1 June 1981 through 31 May 1982. (Project 762734 - New)

\$38,298.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, Develop and Apply GTD Analytical Techniques to Study Antenna Pattern on the EF-111A A/C, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 25 May 1981 through 30 September 1981. (Project 762737 - New)

\$30,000.00 - Council on Legal Education Opportunity, Washington, D. C., Regional Summer Institute for Minority/Disadvantaged Law School Applicants, College of Law (L. Pernel), 3 June 1981 through 30 October 1981. (Project 762712 - New)

\$27,390.00 - American Heart Association, Inc., Dallas, Texas, Peripheral Circulation: Neural Control in Normal and SHR Rats, Department of Physiology (J. A. Boulant), 1 September 1981 through 31 August 1982. (Project 762709 - New)

\$25,080.00 - American Heart Association, Inc., Dallas, Texas, Biochemical and Structural Analysis of Cardiac Z-Line, Department of Veterinary Anatomy (M. Yamaguchi), 1 July 1981 through 30 June 1982. (Project 762325 - Continuation)

\$20,628.00 - San Diego State University Foundation, San Diego, California, Field and Laboratory Investigations of Soils at Eagle Creek and Other Selected Areas, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 May 1981 through 30 April 1982. (Project 762338 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Autonomic Regulation of Myocardial Metabolism, Department of Physiological Chemistry (F. A. Kruger), 1 October 1981 through 30 September 1982. (Project 762724 - New)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiological and Mechanical Effects of pr- and bu-MDI's in Normal and Infarcted Dog Heart, Department of Veterinary Physiology and Pharmacology (W. H. Muir) and College of Pharmacy (R. G. Rahwan), 1 October 1981 through 30 September 1982. (Project 762719 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Hypertensive Peptides from Pre-Eclamptic Placentas, Department of Physiology (J. J. Curry), 1 October 1981 through 30 September 1982. (Project 762239 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Platelet Endothelial Interaction Hypertension Atherosclerosis, Department of Physiological Chemistry (R. V. Panganamala), 1 October 1981 through 30 September 1982. (Project 762703 - New)

\$17,872.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effects of Drugs and Pathophysiology on Regional Perfusion, Department of Medicine and College of Medicine - Administration (R. H. Strauss), 1 October 1981 through 30 September 1982. (Project 762713 - New)

\$17,796.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Localization of Calcium in Isolated Heart Cells, Department of Veterinary Pathobiology (C. Capen) and Department of Physiological Chemistry (R. Altschuld), 1 October 1981 through 30 September 1982. (Project 762707 - New)

\$16,405.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effects of Caffeine, Department of Medicine (S. F. Schaal and R. M. Greenberg), 1 October 1981 through 30 September 1982. (Project 762716 - New)

\$16,380.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Active Changes in the Characteristic Impedance of the Aorta, Department of Physiology (J.-P. Dujardin), 1 October 1981 through 30 September 1982. (Project 762706 - New)

\$14,833.00 - Merck and Company, Rahway, New Jersey, Parasite Control Program for Dairy Replacement Heifers Using Ivermectin, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Preventive Medicine (L. E. Heider), 1 May 1981 through 30 April 1982. (Project 762697 - New)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$12,821.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Potential Sources of Oxygen for the Endocardium, Department of Veterinary Physiology and Pharmacology (R. L. Hamlin), 1 October 1980 through 30 September 1982. (Project 762705 - New)

\$12,400.00 - Research Corporation, New York, New York, Polarized Low Temperature Spectroscopy of Organically Bridged Metal-Metal Bonds, Department of Chemistry (B. E. Bursten), 1 April 1981 through 30 June 1982. (Project 762717 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Enzyme Inhibition on Kinetics of Antiarrhythmics, College of Pharmacy (J. J. MacKichan), 1 July 1981 through 30 June 1982. (Project 762678 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effects of Ethanol in Dog Hearts, Department of Veterinary Physiology and Pharmacology (S. M. McGuirk) and Department of Veterinary Physiology and Pharmacology and Department of Veterinary Clinical Sciences (W. W. Muir), 1 October 1981 through 30 September 1982. (Project 762711 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, I.V. Isosorbide Dinitrate in Acute Congestive Heart Failure, Department of Medicine (R. D. Magorien), 1 July 1981 through 30 June 1982. (Project 762714 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Intracellular O<sub>2</sub> Availability in Contracting Muscle, Department of Physiology (E. W. Kanabus), 1 July 1981 through 30 June 1982. (Project 762710 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Radionuclide Localization of Ventricular Ectopy, Departments of Medicine and Radiology (T. M. Bashore), 1 October 1981 through 30 September 1982. (Project 762704 - New)

\$11,979.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Immunological Exploration in Eu-Actinin: Myocardial Rod Body, Department of Veterinary Anatomy (M. Yamaguchi), 1 October 1981 through 30 September 1982. (Project 762708 - New)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$11,381.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Origin of Respiratory Blood Pressure Waves in Chickens, Department of Physiology (A. L. Kunz), 1 October 1981 through 30 September 1982. (Project 762715 - New)

\$10,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 May 1981 through 30 May 1981. (Project 762563 - Continuation)

\$9,346.00 - Merck and Company, Rahway, New Jersey, Efficacy of Ivermectin for Control of Swine Scabies: Relative Value of Prefarrowing Treatment of Sows and Weaning Treatment of Baby Pigs, Department of Veterinary Pathobiology (C. H. Courtney) and Department of Veterinary Preventive Medicine (W. L. Ingalls), 1 March 1981 through 28 February 1982. (Project 762680 - New)

\$7,200.00 - The National Reye's Syndrome Foundation, Inc., Bryan, Ohio, Chemical Markers of Reye's Syndrome, Department of Pharmacology (B. Andresen), 1 July 1981 through 30 June 1983. (Project 762287 - Continuation)

\$6,000.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Mathematical Modeling of Manufacturing Processes, Department of Industrial and Systems Engineering (R. S. Ahluwalia), 1 May 1981 through 30 April 1982. (Project 762702 - New)

\$5,624.00 - Chemical Abstracts Service, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an On-Line Data Retrieval System, Department of Psychology (H. Shulman), 12 June 1981 through 31 December 1981. (Project 762213 - Continuation)

\$3,807.00 - Ribbon Technology Corporation, Canal Winchester, Ohio, Oxidation Characteristics of Melt Extracted Alloy, Department of Metallurgical Engineering (C. E. Mobley), 1 July 1981 through 15 September 1981. (Project 762701 - New)

\$2,842.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement - The Ohio State University Research Foundation and The Southeastern Ohio Technical Education Consortium, Cooperative Extension Service - State Operations (C. J. Cunningham) and College of Agriculture and Home Economics - Administration (H. Bauman), 30 March 1981 through 30 June 1981. (Project 762676 - New)

\$1,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Neural Control of the Peripheral Circulation, Department of Physiology (J. Bouland and D. O. Nelson), 1 July 1981 through 31 July 1981. (Project 762096 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$134.00 - Illinois Community College Trustee Association, Springfield, Illinois, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 June 1981 through 30 June 1981. (Project 768035 - New)

\$15.10 - Milwaukee Area Technical College, Milwaukee, Wisconsin, National Alliance of Postsecondary Education/Institutions Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 June 1981 through 30 June 1981. (Project 761599 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,223,398.10**

**ENGINEERING EXPERIMENT STATION**

**Federal Sponsored Research and Development**

\$2,500.00 - U. S. Department of the Interior, Geological Survey, Reston, Virginia, development project, Department of City and Regional Planning.

**State Sponsored Research and Development**

\$63,680.00 - State of Ohio, Department of Transportation, Columbus, Ohio, Research in Analytical Photogrammetry in Application to Transportation Surveys, Department of Geodetic Science and Surveying, July 1, 1981 through June 30, 1982. (EES 529652)

\$1,685.00 - Transportation Research Center of Ohio, East Liberty, Ohio, development project, Department of Mechanical Engineering.

**TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$ 65,365.00**

**Industry and Other Sponsored Research and Development**

\$161,251.00 - various sponsors for 49 projects under the direction of seven engineering departments.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$67,000.00 - General Motors Foundation, Inc., Detroit, Michigan--\$13,000.00 for Capital Campaign Mechanical Engineering Fund; \$11,000.00 for Capital Campaign Electrical Engineering Fund; \$8,000.00 for Capital Campaign Industrial and Systems Engineering Fund; \$7,000.00 for Capital Campaign Chemical Engineering Fund; \$6,000.00 for Engineering Mechanics Chairman's Discretionary Fund; \$6,000.00 for Capital Campaign Welding Engineering Fund; \$6,000.00 for College of Engineering Special Fund; \$5,000.00 for Capital Campaign Metallurgical Engineering Fund; and \$5,000.00 for Capital Campaign Engineering Graphics Fund.

\$40,000.00 - The Bremer Foundation, Youngstown, Ohio, for The Bremer Foundation Fund.

\$29,375.00 - Glaxo, Inc., Fort Lauderdale, Florida, for Gastrointestinal Cancer Research Fund.

\$25,000.00 - Gardinier, Inc., Tampa, Florida, for Endowed Professorship in Plant Protection.

\$21,624.31 - Retinal Consultants, Inc., Columbus, Ohio--\$19,547.30 for Retina Research Fund and \$2,077.01 for Ophthalmology Photography Fund.

\$20,938.00 - Mrs. Ruth J. Wilson, Westerville, Ohio, for James Hay and Ruth Jansson Wilson Professorship in Cardiology Fund.

\$20,000.00 - Borden Foundation, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$15,687.19 - American Medical Association, Chicago, Illinois, for Faculty Seminar on Medical Education.

\$15,268.00 - Battelle Memorial Institute, Columbus, Ohio--\$10,268.00 for WOSU Support Fund and \$5,000.00 for Mechanical Engineering Coal Combustion Laboratory Fund.

\$15,000.00 - Oncology Immunology Lab, Columbus, Ohio (given in the name of Dr. John P. Minton), for Cancer Research Fund.

\$13,091.63 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$12,000.00 - Schering Corporation, Kenilworth, New Jersey, for Ocular Infections Research Fund.

\$11,834.38 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.



September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$10,934.00 - IBM, Tarrytown, New York, for Department of Physics IBM Minority Fellowship Fund.

\$10,000.00 - International Minerals and Chemicals Corporation, Mundelein, Illinois, for Endowed Professorship in Plant Protection.

\$10,000.00 - Kaiser Aluminum and Chemical Corporation, Oakland, California, for Kaiser Aluminum Scholarship Program.

\$9,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$8,000.00 - Midland-Ross Corporation, Urbana, Ohio, for Student Athlete Grant-in-Aid Fund.

\$7,435.20 - Ives Laboratories, Inc., New York, New York, for Cardiovascular Research Fund.

\$7,000.00 - Financial Credit Life Insurance Company, Columbus, Ohio (given in the names of Gordon Y. Boyd, Lloyd L. Osborne, Sr., Lloyd L. Osborne, Jr., Lewis K. Osborne, III, James B. Osborne, Louis G. Rymer, and Robert G. Jack), for Ophthalmology Teaching Fund.

\$7,000.00 - Ohio Florists' Association, Columbus, Ohio, for Ohio Florists Association Special Fund.

\$6,535.00 - Neurosurgical Consultants, Inc., Columbus, Ohio, for Neurosurgery Fund.

\$6,258.00 - The Columbus Zoo Association, Powell, Ohio, for Columbus Zoo Animal Health Fellowship.

\$6,000.00 - AccuRay Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,000.00 - SCOA Foundation, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,000.00 - Schottenstein Stores Corporation, Columbus, Ohio, for Graduate School Minority Recruiting Program Fund.

\$5,693.33 - Wyeth Labs, Philadelphia, Pennsylvania, for Menopausal Patient Follow-up Project.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$5,000.00 - Anonymous Donor, for Ohio State University Campaign for China Exchange.

\$5,000.00 - Ashland Oil, Inc., Ashland, Kentucky, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Estate Under the Will of Gladys Branegan Chalkley, LaJolla, California, for Gladys Branegan Fellowship Fund.

\$5,000.00 - George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation for Enology and Viticulture.

\$5,000.00 - Mid-Ohio Chemical Company, Inc., Washington C. H., Ohio--\$4,500.00 for Endowed Professorship in Plant Protection and \$500.00 for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Dr. M. Henry Speck, Youngstown, Ohio, for Drs. M. Henry and Myron E. Speck Fund.

**Gifts-in-Kind**

\$9,704.00 - Frederick G. Ruffner, Detroit, Michigan, gift of books.

\$5,716.50 - Robert T. Ewing Charitable Trust, Monroe, Michigan (444 shares La-Z-Boy Chair Company stock), for College of Medicine Progress Fund.

\$5,000.00 - The Doody Company, Columbus, Ohio, MBA Lounge Furniture.

**Establishment of Named Funds**

**The Bernice B. Ross Memorial Scholarship Fund for Music**

The Bernice B. Ross Memorial Scholarship Fund for Music was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mr. Gene P. Dragonette of Huntsville, Ohio.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded to one or more talented undergraduate students in the School of Music. Recipients will be determined by the established procedures within the School of Music, with approval by the Director of the School of Music, who will also approve requisitions for payment.

September 4, 1981 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Bernice B. Ross Memorial Scholarship Fund for Music (contd)**

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the School of Music.

##### **The Castor Memorial Scholarship Fund**

The Castor Memorial Scholarship Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift from Lawrence B. Leiby, CDR USN (Ret), B.A. '40, in honor and memory of his uncle and grandmother, William W. and Louisa Castor.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest or reinvest as occasion dictates.

Ten percent (10%) of the annual income is to be used to add to the principal of the scholarship. The remaining ninety percent (90%) of the annual income is to be used to provide one or more scholarships for undergraduate students who are above average and have financial need. The students are to be enrolled at the Agricultural Technical Institute, Wooster, Ohio. The scholarship is to be awarded to those students who are residents of Wayne County with preference given to those of Clinton Township who are in attendance at the Agricultural Technical Institute campus. The scholarships are renewable for so long as the student maintains the appropriate academic and need criteria.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the appropriate administrative official of the University who is then directly responsible for scholarships in consultation with the Director of the Agricultural Technical Institute.

##### **The William W. and Louisa Castor Memorial Award Fund**

The William W. and Louisa Castor Memorial Award Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift from Lawrence B. Leiby, CDR USN (Ret), B.A. '40, of Shreve, Ohio, in honor and memory of his uncle and grandmother, William W. and Louisa Castor.

This bequest is to be invested in the University's investment portfolio under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The William W. and Louisa Castor Memorial Award Fund (contd)**

Ten percent (10%) of the annual income is to be applied to the principal each year with the remaining ninety percent (90%) of the income used to provide awards in geology and mineralogy to the most deserving graduate student(s) as determined by the department chairman and the appropriate committee. A portion of that income may also be used specifically in the utilization of aerial reconnaissance materials in the investigation of strategic materials as appropriate and/or to provide a lectureship in mineral resources and/or to develop a library of satellite imagery.

Should the need for these awards and other provisions cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in geology and mineralogy.

**Bill Zipf 4-H Memorial Scholarship**

The Bill Zipf 4-H Memorial Scholarship was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift from the Columbus Dispatch Charities in memory of Bill Zipf.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide an undergraduate scholarship to a sophomore, junior or senior majoring in agricultural communications in the College of Agriculture and Home Economics or in journalism in the School of Journalism. Student recipients must be a member or former member of 4-H and will be selected by the University Committee on Student Financial Aids based on the recommendations of the scholarship committee of either the College of Agriculture and Home Economics or the School of Journalism.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University, who is then directly responsible for the College of Agriculture and Home Economics or the School of Journalism.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Richards Farms Scholarship in Agricultural Economics and Rural Sociology**

The Richards Farms Scholarship in Agricultural Economics and Rural Sociology was established September 4, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Richards Farms.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used to provide undergraduate scholarships in the Department of Agricultural Economics and Rural Sociology of the College of Agriculture and Home Economics. Preference will be given to a student majoring in agribusiness. Recipients will be selected by the University Committee on Student Financial Aids based on the recommendation of the Scholarship Committee of the College of Agriculture and Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income from the fund may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the appropriate official of the University who is then directly responsible for the agricultural curricula at The Ohio State University.

**The Tzagournis Teaching and Research Fund**

The Tzagournis Teaching and Research Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Donald C. Power, B.S. '22, LL.B. '26, M.A. '27, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to support endocrinology students' research, teaching and patient care in the College of Medicine. Requisitions for the use of the funds will be approved by the Dean of the College of Medicine.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for endocrinology research, teaching and patient care.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Kalmbach Family Scholarship Fund**

The Kalmbach Family Scholarship Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Kalmbach family.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the fund principal is to be used to provide one or more scholarships for students in the College of Agriculture and Home Economics. Preference will be given to students from Wyandot County, Ohio, who have expressed an interest in or are enrolled in a major in agricultural economics, animal science, dairy science, or poultry science. The selection of the recipient shall be made by the University Committee on Student Financial Aids based upon the recommendation from the Dean or Assistant Dean for Student Affairs in the College of Agriculture.

Should the need for this fund cease to exist or so diminish as to provide unused funds, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for curricula in agriculture.

**Change Name of Named Fund**

**Baba Memorial Fellowship in Pathology Fund\***

The Department of Pathology Educational and Research Discretionary Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the faculty and friends of the Department of Pathology, College of Medicine.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more fellowships for pathology resident physicians who wish to pursue an additional one- or two-year program in research and education at The Ohio State University leading to eligibility for the examinations of Special Competence of the American Board of Pathology. The Department is authorized to invade the principal amount of the endowment if necessary. The selection of the recipients is to be made upon the recommendation of the Department Chairman and the Dean of the College of Medicine.

Should the need for these pathology fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Chairman of the Department of Pathology in the College of Medicine.

\* Formerly Department of Pathology Educational and Research Discretionary Fund.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

**Federal Research Contract/Grant**

\$41,572.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Professions, Division of Nursing, Bethesda, Maryland, Nursing Capitation Grant Program, School of Nursing, July 1, 1981 through June 30, 1982. (Grant No. 5 E04 NU01080-10)

**State of Ohio Research Contracts/Grants**

\$1,161,844.10 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Trade and Industrial Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

\$520,715.76 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services in Vocational Agriculture, Department of Agricultural Education, July 1, 1981 through June 30, 1982.

\$286,507.96 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services - Home Economics, School of Home Economics, July 1, 1981 through June 30, 1982.

\$271,235.47 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Research, Survey, Evaluation and Exemplary Programs, Department of Agricultural Education, July 1, 1981 through June 30, 1982.

\$269,763.74 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Distributive Education Teacher Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

\$124,529.48 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Vocational Guidance and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

\$122,339.60 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Business and Office Teacher Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS**

**\$2,756,936.11**

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$1,498,945.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant - Administration, Cancer Research Center (D. S. Yohn), 1 July 1981 through 30 June 1982. (Project 763976 - Continuation)

\$478,100.00 - Environmental Protection Agency, Washington, D. C., Information Collection, Analysis and Dissemination, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 November 1981 through 15 July 1984. (Project 762767 - Continuation)

\$137,000.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Division of Nursing, Hyattsville, Maryland, Women's Health Research Program, School of Nursing (J. S. Stevenson), 1 July 1981 through 30 June 1982. (Project 762275 - Continuation)

\$113,937.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Radiation Enhancement in Nervous System Tumor Models, Department of Medicine (N. R. Clendenon), 1 September 1981 through 31 August 1982. (Project 764576 - Continuation)

\$111,942.00 - National Science Foundation, Washington, D. C., Study of Modified Carbon/Graphitic Surfaces for Electrocatalysis, Department of Chemistry (T. Kuwana), 15 July 1981 through 31 July 1982. (Project 762782 - New)

\$109,834.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Neuro-oncogenesis by Resorptive Carcinogens, Department of Veterinary Pathobiology (A. Koestner and K. Marushige), 1 July 1981 through 30 June 1982. (Project 762762 - Continuation)

\$108,809.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D. H. Busch), 1 July 1981 through 30 June 1982. (Project 761501 - Continuation)

\$103,800.00 - National Science Foundation, Washington, D. C., Diffusion Driven Boundary Motion in Alloys, Department of Metallurgical Engineering (P. G. Shewmon and G. Meyrick), 1 August 1981 through 31 January 1983. (Project 762784 - New)



September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$96,225.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Glycerophospholipid Metabolism in the Brain, Department of Physiological Chemistry (L. A. Horrocks), 1 August 1981 through 31 July 1982. (Project 760039 - Continuation)

\$92,089.00 - Department of Labor, Employment and Training Administration, Washington, D. C., A Formative Evaluation of the Private Sector Initiative Program and HIRE II, Department of Political Science and Mershon Center for Education in National Security (R. B. Ripley), 1 April 1980 through 30 November 1981. (Project 761515 - Continuation)

\$78,705.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 15 July 1981 through 15 July 1982. (Project 762552 - Continuation)

\$76,149.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Intestinal Secretion: Neurochemical Receptor Mechanisms, College of Pharmacy (T. S. Gaginella), 1 September 1981 through 31 August 1982. (Project 761266 - Continuation)

\$73,246.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthetic Elaboration of Polyquinane Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1981 through 30 June 1982. (Project 762298 - Continuation)

\$67,200.00 - National Science Foundation, Washington, D. C., Gaseous and Aqueous Corrosion of Ceramics, Department of Ceramic Engineering (D. W. Readey), 1 July 1981 through 30 June 1982. (Project 762751 - Continuation)

\$64,460.00 - Department of Energy, Chicago Operations and Regional Offices, Argonne, Illinois, Development of Genetic Systems for Analysis of the Obligate Anaerobe *Methanobacterium ruminatum* PS, Department of Microbiology (J. N. Reeve and J. I. Frea), 1 July 1981 through 30 June 1982. (Project 762755 - New)

\$63,020.00 - National Science Foundation, Washington, D. C., The Development of Brainstem-Spinal Systems Related to Autonomic Control, Pain Modulation and Somatic Motor Activity, Department of Anatomy (G. F. Martin), 1 September 1981 through 31 August 1982. (Project 762278 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$61,841.00 - National Science Foundation, Washington, D. C., Glaciology Near Dome "C," East Antarctica, Institute of Polar Studies (I. M. Whillans), 15 July 1981 through 30 June 1982. (Project 762783 - New)

\$58,000.00 - National Science Foundation, Washington, D. C., A Resonance Study of Molecular and Atomic Excitations in the Solid Hydrogens, Department of Physics (J. R. Gaines), 1 July 1981 through 30 June 1982. (Project 762786 - Continuation)

\$57,768.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Bio-transformations of Estrogens and Cancer, College of Pharmacy (R. Brueggemeier), 1 July 1981 through 30 June 1982. (Project 762304 - Continuation)

\$46,025.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Learning in Brain-Damaged Human Infants and Animals, Department of Psychology (G. G. Berntson), 1 July 1981 through 30 June 1982. (Project 762736 - New)

\$42,070.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells *in Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 July 1981 through 30 September 1981. (Project 762178 - Continuation)

\$41,317.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Nucleoside Kinase Regulation, Department of Biochemistry (D. H. Ives), 1 July 1981 through 30 June 1982. (Project 761732 - Continuation)

\$39,931.00 - Department of the Army, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, Mapping and Response of Soils and Landforms to Environmental Stresses in Northern Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 July 1981 through 30 June 1982. (Project 762749 - New)

\$39,324.00 - Environmental Protection Agency, Washington, D. C., Limnological Investigations of Water Quality and Fish Larvae in Lake Erie, Center for Lake Erie Area Research (C. E. Herdendorf), 15 June 1981 through 30 November 1981. (Project 764440 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$39,293.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Predoctoral Training in Family Medicine, Department of Family Medicine (L. L. Gabel), 1 July 1981 through 30 June 1982. (Project 762756 - New)

\$34,584.00 - Department of the Army, Waterways Experiment Station, Corps of Engineers, Vicksburg, Mississippi, An Experimental Investigation of Mode Coupling Effects Due to Random Perturbations in Ported Coaxial Cable, Department of Electrical Engineering, ElectroScience Laboratory (J. Richmond and R. Garbacz), 16 July 1981 through 30 November 1981. (Project 762219 - Continuation)

\$29,300.00 - National Science Foundation, Washington, D. C., Geometric Topology and Homotopy Theory, Department of Mathematics (D. Burghelea and J. A. Neisendorfer), 1 July 1981 through 30 June 1982. (Project 762777 - Continuation)

\$28,270.00 - Department of Agriculture, Arlington, Virginia, HVT in Cell Proliferation: A Risk Factor in Dissecting Aneurysms, Department of Veterinary Preventive Medicine (J. P. Donahoe) and Department of Microbiology (M. T. Muller), 1 July 1981 through 30 June 1982. (Project 762766 - New)

\$25,400.00 - National Science Foundation, Washington, D. C., Investigations into the Necessary Use of Abstract Set Theory and Constructive Aspects of Algebra, Department of Mathematics (H. M. Friedman and R. L. Smith), 1 July 1981 through 30 June 1982. (Project 762750 - Continuation)

\$24,413.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. Blakeslee), 1 July 1980 through 30 September 1981. (Project 762179 - Continuation)

\$21,234.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1981 through 30 September 1981. (Project 761657 - Continuation)

\$19,950.00 - National Science Foundation, Washington, D. C., Combinatorial Problems and Their Applications, Department of Mathematics (D. K. Ray-Chaudhuri), 1 July 1981 through 30 June 1982. (Project 762779 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$15,555.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and the University of Sao Paulo, Brazil, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith), 1 July 1981 through 31 August 1981. (Project 762420 - Continuation)

\$7,834.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Modeling of a Head Impact Simulator Design, Department of Mechanical Engineering (R. Singh), 1 July 1981 through 30 September 1981. (Project 762757 - New)

\$6,000.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Systematic Biology, Department of Zoology (T. M. Berra) and Mansfield Campus and Department of Zoology (R. M. Feltes), 15 July 1981 through 31 July 1982. (Project 762775 - New)

\$5,000.00 - Department of Education, Washington, D. C., The National Center for Research in Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 August 1981 through 31 January 1982. (Project 761008 - Continuation)

\$4,120.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Polycondensed Alicyclics and Their Antiviral Role, Department of Chemistry (L. A. Paquette), 1 May 1981 through 30 April 1982. (Project 763920 - Continuation)

\$3,151.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Energy Output and Efficiency of Left Ventricle, Department of Physiology (H. P. Pieper), 1 July 1981 through 30 June 1982. (Project 764403 - Continuation)

\$2,521.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO<sub>2</sub> Concentration, Department of Physiology (A. L. Kunz), 1 April 1981 through 31 March 1982. (Project 761572 - Continuation)

\$2,521.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Oxalic Acid Metabolism and Primary Hyperoxaluria, Department of Physiological Chemistry (K. E. Richardson), 1 June 1981 through 31 May 1982. (Project 762720 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$1,494.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunoprophylaxis and Immunotherapy of Lung Cancer, Department of Microbiology and Cancer Research Center (B. S. Zwilling), 1 August 1980 through 31 March 1982. (Project 760172 - Continuation)

\$86.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, The *in Vivo* Growth of Staphylococci, Department of Medical Microbiology and Immunology (F. A. Kapral), 1 June 1981 through 31 May 1982. (Project 762330 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$3,930,463.00**

State of Ohio Research Contracts/Grants

\$78,400.00 - State of Ohio, Department of Natural Resources, Office of Litter Control, Columbus, Ohio, Litter Control and Recycling Education Program, Cooperative Extension Service - State Operations (P. R. Thomas), 1 July 1981 through 31 December 1981. (Project 762664 - New)

\$50,832.65 - State of Ohio, Department of Education, Vocational and Career Education and School Food Service, Columbus, Ohio, Provision of Technical Assistance to the Ohio Occupational Information Coordinating Committee, Academic Faculty of Labor and Human Resources (S. C. Kelley), 1 July 1981 through 30 June 1982. (Project 762781 - Continuation)

\$21,600.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio Dean's Task Force - Heads of Teacher Education, Academic Faculty for Exceptional Children (T. M. Stephens), 1 June 1981 through 31 May 1982. (Project 762763 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 150,832.65**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$97,632.00 - Hannah Neil Center for Children, Columbus, Ohio, Implementing Behavioral Treatment Activities - A Joint Exceptional Children/Physical Education Internship, School of Health, Physical Education and Recreation and Academic Faculty for Exceptional Children (C. L. Mand), 1 July 1981 through 30 June 1982. (Project 762700 - New)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$42,422.00 - The Standard Oil Company, Cleveland, Ohio, Development of Immunofluorescence Methodology for Sulfate Reducing Bacteria, Department of Microbiology (M. S. Rheins and O. H. Tuovinen), 1 July 1981 through 28 February 1982. (Project 762761 - New)

\$38,257.00 - Adria Laboratories, Inc., Columbus, Ohio, Investigation of the Microbiological Modification of Anthracycline, Department of Microbiology (W. R. Strohl), 1 July 1981 through 30 June 1982. (Project 762765 - New)

\$26,000.00 - Roskam Aviation and Engineering Corporation, Ottawa, Kansas, General Aviation/Airfoil Design and Analysis Center Users' Order - "Airfoil Design Phase III," Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and J. D. Lee), 1 June 1981 through 31 October 1981. (Project 762145 - Continuation)

\$24,730.00 - The Kroc Foundation, Santa Ynez, California, Canine Distemper Virus and Multiple Sclerosis, Department of Veterinary Pathobiology (S. Krakowka), 1 July 1981 through 30 June 1982. (Project 761738 - Continuation)

\$20,000.00 - International Business Machines Corporation, White Plains, New York, Networking Chemical Instrumentation to a Centralized Time-Shared Computer System, College of Pharmacy (C. L. Olson), 1 June 1981 through 31 May 1983. (Project 762771 - New)

\$18,604.00 - American Otological Society, Inc., Bronx, New York, "Otosclerosis: Histochemical Ultrastructural and X-Ray Microanalysis," Department of Otolaryngology (D. J. Lim), 1 July 1981 through 30 June 1982. (Project 762789 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Prevention of Cobalt Cardiomyopathy by Beta Adrenergic Blockade, Department of Medicine (D. V. Unverferth), 1 October 1981 through 30 September 1982. (Project 762758 - New)

\$14,000.00 - Lockheed Missiles and Space Company, Sunnyvale, California, Basic Computer Code Development, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter and R. J. Marhefka), 30 June 1981 through 23 November 1981. (Project 762661 - Continuation)

\$10,505.00 - International Telecommunications Satellite, Organization "INTELSAT," Washington, D. C., Radar Measurement of Rain Cells, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter and C. A. Levis), 28 July 1981 through 19 November 1981. (Project 762080 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$10,000.00 - North Dakota State School of Science, Wahpeton, North Dakota; Washington State Community College, Spokane, Washington; Kalamazoo Valley Community College, Kalamazoo, Michigan; Bergen Community College, Paramus, New Jersey; and Trident Technical College, Charleston, South Carolina, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$10,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 June 1981 through 30 June 1981. (Project 762563 - Continuation)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, An *in Vitro* Investigation of the Cytotoxicity of DCF and ARA-A in Normal and Neoplastic Colon Tissue, Department of Medicine and Cancer Research Center (M. R. Grever) and Department of Medicine (D. Gray), 1 July 1981 through 30 June 1982. (Project 762772 - New)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Effect of T Lymphocytes on Erythropoiesis in Normal Individuals and Cancer Patients, Department of Medicine (J. R. Rinehart and A. U. Haq), 1 July 1981 through 30 June 1982. (Project 762773 - New)

\$5,999.00 - S. Ames Pence, Walnut Creek, California, Effect of Propolis on Viral Replication, Department of Medical Microbiology and Immunology (J. H. Hughes), 1 July 1981 through 30 June 1982. (Project 762752 - New)

\$5,981.00 - Fort Wayne Area Consortium, Fort Wayne, Indiana, Analysis of Labor Market Information, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 31 August 1981. (Project 762753 - New)

\$5,956.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, The Role of Complement in Feline Lymphosarcoma, Department of Medicine (E. H. Kraut), 1 July 1981 through 30 June 1982. (Project 762774 - New)

\$2,450.00 - College of the Mainland, Texas City, Texas, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 August 1981 through 31 August 1981. (Project 768034 - New)

\$2,419.00 - Union Carbide Corporation, Linde Division, Tarrytown, New York, Feeding Synthetic Zeolites to Broiler Chickens, Department of Poultry Science (D. J. Latshaw), 1 November 1980 through 30 June 1981. (Project 762468 - Continuation)

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$750.00 - Greater Columbus Arts Council, Columbus, Ohio, The OSU Writing Series: From Concept through Production, Office of Academic Affairs, Continuing Education - Non-Credit Programs (J. H. Oshins), 1 June 1981 through 31 December 1981. (Project 762741 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 366,105.00**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$69,390.00 - General Electric Lamp Materials Research Lab, Cleveland, Ohio, New Phosphors, Department of Ceramic Engineering, July 1, 1981 through June 30, 1984. (EES 529626/626X)

\$44,750.00 - International Paper Company, Tuxedo Park, New York, Movable Wall Channel Fiber-Fluid, Department of Chemical Engineering, May 9, 1981 through November 8, 1981. (EES 529086/606X, Extension 1)

\$16,500.00 - Bethlehem Steel Research Center, Bethlehem, Pennsylvania, Kinematics of Iron Oxide Reduction in Coal, Department of Metallurgical Engineering, July 1, 1981 through June 30, 1982. (EES 519089/609X, Extension 1)

\$8,600.00 - American Iron and Steel Institute, Washington, D. C., Columns Braced in Nonprincipal Directions, Department of Civil Engineering, May 1, 1981 through April 30, 1982. (EES 529078/598X, Extension 2)

\$106,135.40 - various industries for 23 development projects supervised by eight departments/research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$ 245,375.40**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$101,952.00 - Estate Under the Will of John C. Fergus, Columbus, Ohio--  
\$50,976.00 for Corwin A. Fergus Memorial Fund and \$50,976.00 for Edith Fergus Gilmore Fund.



September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$90,335.68 - Warner and Lora Pomerene Trust, Columbus, Ohio--\$45,167.84 for John W. Bricker Named Professorship in the College of Law and \$45,167.84 for Warner M. and Lora K. Pomerene Fund in Agriculture.

\$80,711.34 - Sidney L. Pressey Trust, Columbus, Ohio, for Sidney L. Pressey Honors Program Fund.

\$74,750.00 - Arthur E. Shepard, Columbus, Ohio (2,000 shares of Alexander and Alexander Services, Inc., stock), for Arthur E. Shepard Designated Professorship in Insurance.

\$50,000.00 - SDRC, Milford, Ohio, for Advanced Design Methods Laboratory--Mechanical Engineering Fund.

\$50,000.00 - The Spencer Foundation, Chicago, Illinois, for Spencer Educational Scholars Fund.

\$50,000.00 - The Standard Oil Company, Cleveland, Ohio, for College of Engineering Campaign.

\$45,000.00 - Estate Under the Will of Helen Sells Clarkson, Columbus, Ohio, for Helen Sells Clarkson Memorial Scholarship Fund.

\$43,446.44 - Louise Orr Scott Foundation, Columbus, Ohio--\$32,584.83 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$10,861.61 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$30,271.58 - Estate Under the Will of David R. Soich, Westerville, Ohio, for Presidents Club Special Fund.

\$30,000.00 - Zaner-Bloser, Inc., Columbus, Ohio--\$15,000.00 for Presidents Club Special Fund; \$10,000.00 (given in the name of Dr. Walter B. Barbe) for Education Research Publication Fund; and \$5,000.00 for Faculty for Exceptional Children Support Fund.

\$28,409.56 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$22,500.00 - Central Ohio Lung Association, Columbus, Ohio, for Pulmonary and Respiratory Care Research Fund.

\$20,000.00 - Ohio State Anesthesia Associates, Inc., Columbus, Ohio, for Anesthesia Research and Enhancement Fund.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$18,686.00 - A. E. Convers Fund of the Cleveland Foundation, Cleveland, Ohio, for furtherance of extension work in Cuyahoga County.

\$13,875.00 - Mrs. Helen G. Crane, Columbus, Ohio (300 shares of Standard Oil Company stock), for Ophthalmology Center Fund.

\$13,191.43 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$12,000.00 - Anderson Clayton Foods, Dallas, Texas, for Anderson Clayton Graduate Fund for Casein Research.

\$11,500.00 - Bethlehem Steel Corporation, Bethlehem, Pennsylvania--\$6,500.00 for Mechanical Engineering Coal Combustion Laboratory Fund and \$5,000.00 for Bethlehem Steel--Senior Projects.

\$11,318.84 - Trust Under the Will of Grace Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$10,800.00 - Dispatch Charities, Inc., Columbus, Ohio--\$10,000.00 for Bill Zipf 4-H Memorial Scholarship and \$800.00 for College of Agriculture and Home Economics Dean's Discretionary Fund.

\$10,000.00 - Ford Motor Company Fund, Dearborn, Michigan, for Advanced Design Methods Laboratory--Mechanical Engineering Fund.

\$10,000.00 - The Merck Company Foundation, Rahway, New Jersey, for Veterinary Pathobiology Research and Development Fund.

\$10,000.00 - Michael's Finer Meats, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$10,000.00 - Owens-Corning Fiberglas Corporation, Granville, Ohio--\$5,000.00 for Owens-Corning Fiberglas Fund and \$5,000.00 for Owens-Corning Fund.

\$10,000.00 - Joseph E. Sudduth, Birmingham, Alabama, for Everett D. Reese Arthritis Research Fund.

\$10,000.00 - The Upjohn Company, Kalamazoo, Michigan, for Infectious Disease Research Fund.

\$9,850.00 - The Ohio State University Women's Club, Columbus, Ohio--\$7,050.00 for University Women's Club Scholarship Fund and \$2,800.00 for University Women's Club Emergency Loan Fund.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$8,393.83 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$7,500.00 - Chevron Research Company, Richmond, California, for Chemistry Research.

\$7,500.00 - Detroit Edison, Detroit, Michigan, for Detroit Edison Fellowship in Electric Power Systems.

\$7,450.75 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$7,000.00 - The Procter & Gamble Company, Cincinnati, Ohio, for Neuromuscular Research Jerry Mendell Fund.

\$6,980.00 - The Pharmaceutical Manufacturers Association Foundation, Inc., Washington, D. C., for P.M.A. Fellowship.

\$6,569.00 - The Bremer Foundation, Youngstown, Ohio, for The Bremer Foundation Fund.

\$6,500.00 - Abbott Laboratories, North Chicago, Illinois, for Laboratory of Work Physiology.

\$6,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$5,130.00 - Dr. Michael H. Klapper, Columbus, Ohio, for Department of Chemistry Support Fund.

\$5,095.00 - Ernst & Whinney Foundation, Columbus, Ohio, for Ernst and Ernst Accounting Grant.

\$5,000.00 - Exxon Education Foundation, New York, New York, for Department of Chemical Engineering Support Fund.

\$5,000.00 - Ohio Turfgrass Foundation, Columbus, Ohio, for Bio-Catalytic Soil Conditioners Research Fund.

\$5,000.00 - Shell Development Company, Houston, Texas, for Mechanical Engineering Coal Combustion Laboratory Fund.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts-in-Kind

\$37,845.00 - Ray Osrin, Cleveland, Ohio, 1,682 Editorial Cartoons.

\$20,000.00 - Meyer Zola, Oak Park, Illinois, 1,560 Yiddish Books.

\$19,500.00 - MTS Systems Corporation, Minneapolis, Minnesota, Electrohydraulic Testing Equipment.

\$6,500.00 - Len Immke Buick, Inc., Columbus, Ohio, 3/4 ton GMC Pickup Truck.

\$5,500.00 - Mrs. Herbert J. Flint, Columbus, Ohio, two Chinese art objects.

Establishment of Named Funds

**The Warner M. and Lora Kays Pomerene College of Medicine Research Fund**

The Warner M. and Lora Kays Pomerene College of Medicine Research Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with bequests to The Ohio State University Development Fund from Lora Kays Pomerene, B.S.Edu. '16, and Warner M. Pomerene, B.A. '15, J.D. '17, Coshocton, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to underwrite research projects in the College of Medicine. Research projects will be recommended by the Dean of the College of Medicine and approved by the Vice President for Health Sciences.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for medical research.

**The Samuel Freifield Endowed Scholarship Fund in Law**

The Samuel Freifield Endowed Scholarship Fund in Law was established September 4, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of Mr. Samuel Freifield of Steubenville, Ohio.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Samuel Freifield Endowed Scholarship Fund in Law (contd)**

The annual income is to be awarded to one or more students in the College of Law. Recipients will be determined by the established procedures within the College of Law, with preference given to students with demonstrated financial need from the Steubenville area.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Law.

**The C. B. and Ardis H. Stewart Scholarship Fund**

The C. B. and Ardis H. Stewart Scholarship Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Dr. and Mrs. John A. Thoms.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to provide one or more full-tuition scholarship(s) to an entering freshman who is a resident of Wood County, Ohio. If at any time the income from this fund is not sufficient to provide at least one annual full-tuition scholarship, the income shall be added to the principal until the fund is again sufficient to provide a full-tuition scholarship. Any unused annual income shall also be added to the principal.

The selection of the recipient(s) will be made by the University Committee on Student Financial Aid based upon recommendations received from any one of the following: County 4-H Agent; the Home Economics Agent; high school principals; or the Wood County Alumni Club. Preference shall be given to students interested in fields of study relating to agriculture or home economics, and who are active in 4-H.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics or from the appropriate administrative official of the University who is then responsible for study related to the field of agriculture.

September 4, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Change Name of Named Fund.

**The William G. Cronenwett Memorial Scholarship of Wood County\***

The Wood County Scholarship Fund was established May 2, 1980, by the Board of Trustees of The Ohio State University with gifts from alumni and friends of Wood County to The Ohio State University Development Fund.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as the occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students from Wood County enrolled in The Ohio State University. The selection of the recipient is to be made by the University Committee on Student Financial Aids upon recommendation of a selection committee from the Wood County Alumni Club.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships and student financial aids.

\* Formerly Wood County Scholarship Fund.

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**PLANS AND SPECIFICATIONS**

Resolution No. 82-21

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**OHIO UNION, REPLACE ELEVATOR**

Project:	Installation of new passenger elevator to replace obsolete elevator for which repair parts are no longer available. The new elevator will be complete with handicapped features added.
Funding:	Local University Funds
Estimated Project Cost:	\$115,000.00

September 4, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**NOW THEREFORE**

**BE IT RESOLVED**, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

**BE IT FURTHER RESOLVED**, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-22

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

**WHEREAS** resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**ARPS AND OHIO UNION PARKING RAMPS, MAINTENANCE AND REPAIRS**

Description: Repairs necessary due to deterioration of concrete and waterproofing of top decks.

**General Contract**

Date Received:	July 28, 1981
No. of Bids:	8
Low Bid:	\$186,587.00*
High Bid:	\$282,000.00*
Estimate of Cost:	\$245,252.00*

\*Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ARPS AND OHIO UNION PARKING RAMPS, MAINTENANCE AND REPAIRS (contd)**

Awarded to: Werner Maintenance & Construction, Inc., Columbus, Ohio  
Total Contract: \$186,587.00  
Total Contingency Allowance: \$ 14,921.52 which is 8 per cent of construction cost  
Total Project Cost: \$219,800.00  
Funding: Budget Account 885120 (Traffic and Parking Revenues)

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA) TITLE III PROGRAM,  
CYCLE I ENERGY CONSERVATION MEASURES - ECM-1  
(CAMPBELL, GALVIN-LIMA, HOPKINS, HUGHES, AND SISSON HALLS)**

Description: This work consists primarily of Campbell Hall Conversion of constant volume system to variable air volume system, with modifications to existing air mixing boxes and control of these mixing boxes.

**Mechanical Contract**

Date Received: June 25, 1981  
No. of Bids: 2  
Low Bid: \$107,900.00\*  
High Bid: \$117,730.00\*  
Estimate of Cost: \$ 92,550.00\*  
Awarded to: Julian Speer Company, Columbus, Ohio  
Total Contract: \$107,900.00  
Total Contingency Allowance: \$ 7,071.28 which is 7 per cent of construction contract  
Total Project Cost: \$133,905.00  
Funding: Federal Funds and Matching State Funds

\*Recommended alternates reflected in these figures.



September 4, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENERGY MODIFICATIONS, PHASE V, PROJECT "B"  
(DREESE, ROBINSON, ST. JOHN ARENA, AND SMITH LABORATORY)**

Description: New lighting, variable air volume work, and installation of low leak dampers in Dreese, Robinson, St. John Arena, and Smith Laboratory to continue energy modifications at The Ohio State University. The estimated annual savings will be \$30,000.00 per year in utility costs, with a four-year payback.

**Mechanical Contract**

Date Received:	July 15, 1981
No. of Bids:	1
Low Bid:	\$ 67,825.00*
Estimate of Cost:	\$ 80,550.00
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

**Electrical Contract**

Date Received:	July 15, 1981
No. of Bids:	6
Low Bid:	\$ 22,797.00*
High Bid:	\$ 26,940.00*
Estimate of Cost:	\$ 29,300.00*
Awarded to:	Frush & Homan, Inc., Columbus, Ohio

Total All Contracts: \$ 90,622.00

Total Contingency Allowance: \$ 7,599.88 which is 8 per cent of construction contract

Total Project Cost: \$101,914.00

Funding: Budget Account 210134

\* Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**EXTERIOR PAINTING - 1981, PHASE II**

Description: Exterior painting of all previously painted surfaces on: St. John Arena; French Field House; Research Center; Waterman East Barn; Waterman Dairy Barn; Hangars 1, 2, and 3, Don Scott Field; and Fire House, Don Scott Field.

**General Contract**

Date Received:	July 28, 1981
No. of Bids:	6
Low Bid:	\$ 63,400.00
High Bid:	\$ 78,019.00
Estimate of Cost:	\$ 71,500.00
Awarded to:	W. F. Bolin Company, Inc., Columbus, Ohio
Total Contract:	\$ 63,400.00
Total Contingency Allowance:	\$ 4,318.12 which is 7 per cent of construction contract
Total Project Cost:	\$ 70,000.00
Funding:	Budget Account 885157

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT OF  
ENERGY TITLE III GRANT - MAIN LIBRARY (ECM-4)**

Description: Continued energy conservation modifications to reduce and revise lighting in various areas; provide temperature control sequences consisting of unoccupied cycle control, reset mixed air controllers. Estimated yearly savings will be \$17,566.00 with a two-year ten-month payback.

**Mechanical Contract**

Date Received:	July 15, 1981
No. of Bids:	1
Low Bid:	\$ 16,200.00*
Estimate of Cost:	\$ 36,400.00*
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

\*Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT OF  
ENERGY TITLE III GRANT - MAIN LIBRARY (ECM-4) (contd)**

**Electrical Contract**

Date Received:	July 15, 1981
No. of Bids:	4
Low Bid:	\$ 16,586.00*
High Bid:	\$ 18,148.00*
Estimate of Cost:	\$ 13,200.00*
Awarded to:	The Electric Power Equipment Company, Columbus, Ohio
Total All Contracts:	\$ 32,786.00
Total Contingency Allowance:	\$ 9,213.23 which is 28 per cent of construction contract**
Total Project Cost:	\$ 49,540.00
Funding:	Federal Grant - \$24,770.00 Budget Account 885147 - \$24,770.00 Total - \$49,540.00

\* Recommended alternates reflected in these figures.

\*\*Contingency includes allowance to provide duty cycling from Control Center in lieu of 2-speed fan motor control bid under Alternates M-1 and E-2 and not accepted because of poor payback.

**CONVERSE HALL - ALTERATION OF HEATING SYSTEM**

Description: Fin tube hot water radiator units will be added to selected rooms in basement, first floor, second floor, and third floor areas for better temperature control in these rooms. New hot water supply and return lines will be connected to existing mains in the basement of the building.

**HVAC Contract**

Date Received:	August 12, 1981
No. of Bids:	9
Low Bid:	\$ 16,500.00
High Bid:	\$ 42,295.00
Estimate of Cost:	\$ 25,000.00

September 4, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**CONVERSE HALL - ALTERATION OF HEATING SYSTEM (contd)**

Awarded to: J. A. Croson Plumbing & Heating, Columbus, Ohio  
Total Contract: \$ 16,500.00  
Total Contingency Allowance: \$ 1,649.00 which is 10 per cent of construction contract  
Total Project Cost: \$ 19,454.00  
Funding: Budget Account 885127

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**SALE OF PROPERTY TO THE INDUSTRIAL COMMISSION OF OHIO**

Resolution No. 82-23

*Synopsis: A report on the sale of land to the Industrial Commission of Ohio is presented.*

WHEREAS the Board of Trustees, in March, 1979, authorized the Administration to negotiate with the Industrial Commission of Ohio for the use of University property as the site for a Rehabilitation Center to be operated by the Commission's Division of Rehabilitation Services; and

WHEREAS as a result of discussions between the University and the Commission, it was determined that the best arrangement would be for the Administrator of the Bureau of Worker's Compensation, acting for the Commission, to purchase the 12.41 acre tract south of the new Veterans Administration Clinic on Kenny Road, and for this purpose a bill was introduced in the General Assembly; and

WHEREAS Amended Senate Bill 50, effective May 8, 1981, authorized the Governor to execute a deed in the name of the State conveying title to the property to the Administrator and provided that the purchase price of \$636,012.50 be deposited in the University's General Fund, and further provided an option to purchase an adjacent 3.74 acre tract, east of the Veterans Administration Clinic, in the event of future expansion of the Rehabilitation Center; and

September 4, 1981 meeting, Board of Trustees

**SALE OF PROPERTY TO THE INDUSTRIAL COMMISSION OF OHIO (contd)**

WHEREAS pursuant to Amended Senate Bill 50, the Governor has executed a deed conveying title to the 12.41 acre tract to the Administrator for use as the site of the new Rehabilitation Center and the purchase price of \$636,012.50 has been paid to the University and deposited in the University's General Fund:

NOW THEREFORE

BE IT RESOLVED, That this report on the sale of property to the Administrator of the Bureau of Worker's Compensation for use as the site of the new Rehabilitation Center be accepted and filed with the Office of the Secretary of the Board of Trustees.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**INVESTMENTS POLICY**

Resolution No. 82-24

*Synopsis: Adoption of a comprehensive policy governing investments is recommended.*

WHEREAS the Board of Trustees, from time to time, has adopted specific policies governing various aspects of the management of the University and endowment investment portfolios; and

WHEREAS there is a need for a comprehensive policy to provide for the overall management of these investment portfolios; and

WHEREAS the proposed University and endowment investments policy has been recommended by the University Administration, in consultation with Legal Counsel, and the Fiscal Affairs Committee:

NOW THEREFORE

BE IT RESOLVED, That the attached Investments Policy for The Ohio State University be adopted by the Board of Trustees; and

BE IT FURTHER RESOLVED, That the University Treasurer be, and hereby is, directed and authorized to implement and administer this Policy and to manage the University and endowment investments portfolios in accordance with this Policy.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

September 4, 1981 meeting, Board of Trustees

## INVESTMENTS POLICY (contd)

Mr. Hilliker:

Mr. Chairman, also at this time I would like to have Dick Jackson report to the Board concerning the status of various notes that the University has in its investment portfolio.

Mr. Jackson:

We have had, over the last several months, a couple of bad--a couple of problems--trying to get out of two investments that the University had made. One was a local investment that was made some years ago and through our lawyers and with our lawyers we have gotten a return on our so-called "B" Notes of the Klingbeil Company and that money has been received in full value and has been invested, and we are very pleased to report that. Secondly, there was another organization called Main Line Fleets, Inc., in which we had actually written off the books and we have actually gotten a partial settlement in the amount of some \$25,000, and we are very pleased to have gotten both of those issues settled and over the hill with both of them.

## INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY

### I. *Goals*

It shall be the policy of The Ohio State University to manage the investment portfolios of the University and the endowment for the use and benefit of the University in a manner that will:

- A. preserve and maintain the real purchasing power of the principal in the portfolios, and
- B. produce a yield which, when compared to the current marketplace, would be described as acceptable by conservative investment managers.

### II. *Investment Philosophy*

The endowment portfolio shall be managed with the intention of obtaining the highest possible "total return" (i.e., current income plus net realized and unrealized appreciation) of the investment portfolio, balancing reasonable growth with maintenance of prudently acceptable risk and maximizing income to satisfy the needs of the various endowment funds.

The University portfolio shall be managed with the intention of obtaining the highest possible "current income" for the investment portfolio while adhering to a prudent level of risk.

**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

**III. Definitions**

For purposes of this Policy, the endowment investments portfolio ("endowment portfolio") shall include all principal of the Endowment, the various charitable remainder annuity trusts, pooled income funds, unitrusts, all other gifts made to the University and the income produced on these funds. The University investments portfolio ("University portfolio") shall include all non-endowment investments of University funds.

**IV. Gains/Losses**

It shall be permissible for the University Treasurer to realize losses in any of the portfolios if such an action would be consistent with the University's investment goals. Losses and gains realized on the University portfolio shall be charged or credited against current income. Losses and gains realized on the endowment portfolio shall be debited or credited against the Endowment Gain and Loss Account and are not to be distributed on a current basis.

**V. Advisors**

It is the policy of the University to utilize the services of external investment advisors to assist in the management of the University and endowment portfolios. The number of advisors and the amount of funds under their aegis shall be determined by the Board of Trustees. The services to be provided by investment advisors shall be specified in written agreements.

**VI. Limitations**

- A. Not more than 10% of the University portfolio nor more than 10% of the endowment portfolio shall be concentrated in any particular industry. Certificates of deposit in banks and savings and loans shall not be deemed as an investment in the banking or savings and loan industry. Since the total amount of funds held in the University and endowment portfolios fluctuate on a day-to-day basis, the percentage concentration test shall not be monitored daily on existing investments. Rather, the test of any industry shall be made as of the date that an investment is made.
- B. Endowment investments directly in any foreign country shall be made only if specifically authorized by the Vice President for Business and Administration and the Fiscal Affairs Committee. No University investments shall be made in any foreign country. No monies in either the University or endowment portfolios shall be invested in corporations headquartered outside the United States.
- C. Not less than 30% nor more than 70% of the endowment portfolio shall be invested in common stocks. Additionally, not less than 30% nor more than 70% of the endowment portfolio shall be invested in fixed-income

**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

securities. For purposes of this limitation, the amounts recommended to be maintained in short-term investments by the equity advisors and by the fixed income advisors shall be considered as invested in common stocks or fixed-income securities, respectively, as long as those funds are committed to be invested in common stocks or fixed-income securities.

- D. The stock held by the Mutual Funds owned by the endowment shall not be considered in computing the industry concentration limitations.
- E. The directors, trustees, and administrators of the various funds of the University and endowment may specify terms and conditions that are more restrictive than those of this Policy but shall not permit a less restrictive policy without specific authorization from the Board of Trustees.
- F. The quality rating guidelines which are to be used shall be the ratings as of the date of the purchase of the security. If a rating change occurs which disqualifies a security that is already present in one of the University's portfolios, the following procedures are to be implemented:
  - 1. If the security is a short-term investment (to mature within one year from the date of the rating change), no action is required and the security may be held to maturity.
  - 2. If the security is a long-term investment (maturity exceeds one year from the date of the rating change), the security must be sold within sixty days from the discovery of the rating change.

**VII. *Marketability***

Securities purchased by the University and endowment may be listed on the New York, American or other exchange or be unlisted and traded over-the-counter provided that all securities purchased shall be readily marketable and meet the quality guidelines of this Policy. Investments that have no ready market that are gifts to the University shall be accepted if, as determined by the Vice President for Business and Administration and the University Treasurer, acceptance is in the best interest of the University.

**VIII. *Social Responsibility***

All investments of the University and the endowment portfolios must comply with the policy of the Board of Trustees approved April 7, 1978 (included as Exhibit "A") regarding social and employment policies of corporations. Proxies shall be voted in accordance with the above policy.

**IX. *Authorized Investments***

The following categories of investments shall be authorized for the endowment and/or the University portfolios as indicated.



**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

**A. Commercial Paper (endowment only)**

1. If the maturity of the paper does not exceed 60 days from the date of purchase, the following quality and amount limitations shall apply:
  - Rated A-1 (Standard and Poor's) and P-1 (Moody's), not more than \$3,000,000.
  - Rated A-1 and not rated by Moody's, not more than \$3,000,000.
  - Not rated by Standard and Poor's and rated P-1, not more than \$3,000,000.
  - Rated A-1 and P-2, not more than \$1,000,000.
  - Rated A-2 and P-1, not more than \$1,000,000.
  
2. If the term is greater than 60 days, but less than 270 days, the following limitations shall apply:
  - a. An amount not to exceed \$3,000,000 in any corporation rated A-1 and P-1 and whose long-term debt is rated AA (Moody's) or better, or whose parent company guarantees 100% of the commercial paper of its subsidiary.
  - b. An amount not to exceed \$3,000,000 in any corporation rated either A-1 and not rated by Moody's, or P-1 and not rated by Standard and Poor's, and whose long-term debt is rated AA or better or whose parent company debt rating is AA or better if that parent company guarantees 100% of the commercial paper of its subsidiary.
  - c. An amount not to exceed \$1,000,000 in any corporation rated A-1 and P-2, or A-2 and P-1, and whose long-term debt is rated A (Moody's) or better or whose parent company debt rating is A or better if that parent company guarantees 100% of the commercial paper of its subsidiary.
  
3. No commercial paper may be purchased with a term greater than 270 days.
  
4. The total of commercial paper, certificates of deposit, and banker's acceptances in one institution may not exceed \$3,000,000 (up to \$9,000,000 if the amount exceeding \$3,000,000 is in certificates of deposit that are 100% collateralized at their market value). Demand accounts shall not be included in this calculation.

**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

5. The total investment in commercial paper shall not exceed \$50 million.
  6. See Section VI, paragraphs A and B for industry concentration and foreign corporation limitations.
- B. Banker's Acceptances (endowment only)**
1. An amount not to exceed \$3,000,000 in any bank that is rated C or better by Keefe.
  2. The total of commercial paper, certificates of deposit and banker's acceptances in one institution shall not exceed \$3,000,000 (up to \$9,000,000 if the amount exceeding \$3,000,000 is in certificates of deposit that are 100% collateralized at their market value). Demand accounts shall not be included in this calculation.
  3. No banker's acceptances shall be purchased with a term greater than 270 days.
- C. Eurodollars (endowment only)**
1. An amount not to exceed \$3,000,000 in banks or subsidiaries of banks rated C or better by Keefe.
  2. No Eurodollars shall be purchased with a term greater than one year.
- D. Corporate Bonds (endowment only)**
1. An amount not to exceed \$1,000,000 may be invested in the long-term debt instruments of any one company. Not more than 10% of the endowment shall be invested in any particular industry.
  2. Bonds shall be A rated or better.
  3. No corporate bonds shall be purchased with a term greater than 40 years.
- E. Common Stock and Preferred Stock (endowment only)**
- An amount not to exceed 3% of the outstanding shares of a company may be purchased. Not more than 10% of the endowment portfolio shall be invested in any particular industry. All stock shall be of investment grade.

**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

**F. Mutual Funds (endowment only)**

The investment in any particular fund shall not exceed 5% of the total endowment. Investment in any fund shall not exceed 5% of the total funds of the mutual fund. All mutual funds shall be of investment grade.

**G. Real Estate (endowment only)**

Investments in real estate shall be made only upon specific authorization of the Board of Trustees.

**H. Municipal or State Bonds (University and endowment)**

1. An amount not to exceed \$1,000,000 in any one municipality or state (except that there shall be no limit on OSU or OSU-related bonds).
2. Bonds shall be A rated or better (except that there shall be no limitation on OSU or OSU-related bonds).
3. No bonds shall be purchased with a term greater than 30 years.

**I. Certificates of Deposit (University and endowment)**

**1. Collateralized at market value (University and endowment)**

Not to exceed \$6,000,000 in any Ohio bank authorized in Section 135.03 Ohio Revised Code which is rated C or better by Keeffe or any Ohio savings and loan authorized in Section 135.03 Ohio Revised Code whose return on average net assets according to Kaplan and Smith's publication of Ohio Savings and Loans and whose net worth as a percentage of assets according to Sheshunoff's publication of all savings and loans in Ohio rank in the top two-thirds of the savings and loans in Ohio, provided the amount not federally insured is collateralized as provided in Section 135.18 of the Ohio Revised Code with securities eligible under Section 135.18 (B).

**2. Uncollateralized (endowment only)**

Not to exceed \$3,000,000 in any bank or savings and loan located in the United States if uncollateralized and the bank is rated C or better by Keeffe or the savings and loan's return on average net assets according to Kaplan and Smith's publication of savings and loans and net worth as a percentage of assets according to Sheshunoff's publication of all savings and loans rank in the top two-thirds of the savings and loans in the United States.

**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

3. The total of commercial paper, certificates of deposit, and banker's acceptances in one institution may not exceed \$3,000,000 (up to \$9,000,000 if the amount exceeding \$3,000,000 is in certificates of deposit that are 100% collateralized at their market value). Demand accounts shall not be included in this calculation.
  4. No certificate of deposit shall have a term exceeding one year unless approved by the Vice President for Business and Administration and the Fiscal Affairs Committee.
- J. U. S. Treasury Bills, Notes and Bonds (University and endowment)
- No limitations on amount invested or term.
- K. U. S. Government Agencies (University and endowment)
- No limitations on amount invested or term.
- L. Repurchase Agreements (University and endowment)
1. Uncollateralized (endowment only)
- There shall be no limitations on the amount invested in this vehicle provided the term of the agreement shall not exceed 30 days.
2. Collateralized at Market Value (University and endowment)
- There shall be no limitations on the amount invested in this vehicle provided the term of the agreement shall not exceed 30 days and is 100% collateralized at market value by U. S. Government securities.
- M. Reverse Repurchase Agreements and Forward Commitments (University and endowment)
1. An amount not to exceed \$3,000,000 may be committed under any reverse repurchase agreement or any commitment to buy U. S. Treasury or U. S. Government Agency instruments at any one time.
  2. The length of the commitment may not exceed 90 days.
- N. Other Investments (University and endowment)
- Between meetings of the Board of Trustees, if deemed advisable, other investments not specifically authorized by this Policy may be made if approved by the Vice President for Business and Administration and the Fiscal Affairs Committee. Any such action shall be taken to the Board of Trustees at its next meeting for approval.

September 4, 1981 meeting, Board of Trustees

**INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)**

**X. *Management of Investments***

Except as provided herein, the University Treasurer shall be authorized to implement and administer this Policy on behalf of the Board of Trustees and manage the University and endowment portfolios in accordance with this Policy.

**XI. *Effective Date***

It is understood that some of the current holdings may not meet the terms of this Policy on the date it becomes effective. Those holdings not in compliance may be maintained until the University Treasurer determines that sale would be in the best interests of the University or endowment. Any such current investments not in compliance with this Policy still held by the University or endowment six months after the effective date of this Policy shall be referred to the Fiscal Affairs Committee for a final decision as to disposition.

**XII. *Exceptions***

Modifications and exceptions to this Policy shall be authorized only by resolution of the Board of Trustees or as provided herein. The terms and conditions of this Policy as to the endowment portfolio may be waived if specified by the terms of a gift and approved by the Board of Trustees.

**XIII. *Reporting and Accountability***

The University Treasurer shall be accountable to the Board of Trustees for implementing this Policy. The University Treasurer shall make a written report to the Fiscal Affairs Committee at each regular meeting on the status of the University and endowment portfolios, and the Fiscal Affairs Committee shall report not less frequently than quarterly to the Board of Trustees.

April 7, 1978 meeting, Board of Trustees

**EXHIBIT "A"**

**REPORT - FISCAL AFFAIRS COMMITTEE  
UNIVERSITY INVESTMENT PORTFOLIO**

Mr. Devenow, Chairman of the Fiscal Affairs Committee, read the following statement as prepared by Mr. John F. Havens.

At your request and on behalf of this committee, I have spent the past several months working directly with Dr. Moulton reviewing our endowment investments as well as the policies relating to these investments. During this period I believe we have effected a number of constructive changes in our holdings which have substantially strengthened our position. Certainly the recent performance of our mutual funds, the Chicago Corporation stocks, and the stocks managed by the University have performed very favorably when compared to the current market. Dr. Moulton and I, with the assistance of an investments committee which he has

September 4, 1981 meeting, Board of Trustees

**EXHIBIT "A" (contd)**

**REPORT - FISCAL AFFAIRS COMMITTEE  
UNIVERSITY INVESTMENT PORTFOLIO (contd)**

Mr. Devenow: (contd)

formed, are now looking into our bond holdings in the endowment. We are presently in the process of interviewing bond counsel, and we hope to be able to make a recommendation to you in this regard in the next month or two.

At this time I would like to present to you several policy recommendations relating to our endowment investments for your consideration. The first relates to the size of our individual investments in the endowment.

Because of the present size of the portfolio--approximately \$60 million--I would recommend that a limit of approximately \$1 million be placed on our investments in any one corporation including its subsidiaries. Exceptions, of course, can be made by this committee to this rule. Further, I would not include within this specific policy investments in mutual funds and U. S. Treasury or Federal Agencies. At the same time, I would recommend a limit of approximately five per cent be placed on our portion of the total investment within a given corporation, including its subsidiaries. Mutual funds should be included within this policy.

I hope to be back to you in the near future with a recommendation on the matter of quality indices for our bond holdings which we are presently reviewing.

I would also like to suggest some further extensions of the general policies adopted by this board in July of last year, relating to investments in corporations conducting a significant level of business activity in South Africa.

First, I wish to recommend that we communicate to those corporations in which we have investments our full support of the Sullivan Principles. Further, in those limited cases where the companies in which we have an investment have not as yet subscribed to these principles, we determine what these corporations' intent is in this regard. Based upon this information, and subsequent evaluations as to the economic progress and/or the lack thereof that each of the corporations in which we have an investment is making in implementing these principles, we will, if we do not believe it is sufficiently substantial, divest such holdings at a time of our choosing.

Second, I would recommend that we not purchase investments in any corporation not supporting the Sullivan Principles which has been listed in *News for Investors* published by the Investor Responsibility Research Center, Inc., as a corporation conducting a significant level of business in South Africa.

At the same time we continue to vote our stock proxies in full support of the Sullivan Principles and, where possible, support the reduction in the level of the business activities in South Africa.

September 4, 1981 meeting, Board of Trustees

**EXHIBIT "A" (contd)**

**SULLIVAN PRINCIPLES**

The "Sullivan Principles," a statement of principles governing activities in South Africa, was drawn up under the direction of Reverend Leon Sullivan, a member of the Board of Directors of General Motors.<sup>1</sup> Each corporation which agrees to adhere to the principles is committed to the following:

- \* non-segregation of the races in all eating, comfort and work facilities;
- \* equal and fair employment practices for all employees;
- \* equal pay for all employees doing equal or comparable work for the same period of time;
- \* the initiation and development of training programs that will prepare, in substantial numbers, blacks and other non-whites for supervisory, administrative, clerical and technical jobs;
- \* an increase in the numbers of blacks and other non-whites in management and supervisory positions; and
- \* improvement in the quality of employees' lives outside the work environment in such areas as housing, transportation, schooling, recreation and health facilities.

<sup>1</sup>Source: U. S. Business and S. A.: The Withdrawal Issue; Special Report 1977-D, November, 1977. (Investor Responsibility Research Center, Inc.)

Upon motion of Mr. Devenow, seconded by Mr. Harrod, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**UNIVERSITY HOSPITALS BOARD BYLAWS**

Resolution No. 82-25

*Synopsis: Amendment to University Hospitals Board Bylaws is proposed.*

WHEREAS pursuant to rule 3335-103-01 of the Administrative Code, the Board of Trustees is authorized to amend the *University Hospitals Board Bylaws*; and

WHEREAS after a careful study of the *University Hospitals Board Bylaws*, as approved by the Board of Trustees on May 2, 1980, an amendment is recommended; and

WHEREAS paragraph (B) of rule 3335-97-05 is modified to increase the number of members on the Hospitals Facilities Committee from four to five:

September 4, 1981 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

**NOW THEREFORE**

**BE IT RESOLVED**, That the amendment as recommended by the University Hospitals Board on August 7, 1981 be approved.

3335-97-05 Hospital facilities committee.

- (A) Purpose. The committee shall monitor the condition of the hospitals facilities and shall have the responsibility for planning and recommending additions, alterations, repair, and maintenance.
- (B) Composition. The committee shall consist of five board members, appointed annually by the chairman of the board, one of whom shall serve as chairman of the committee; the Ohio state university vice president for health sciences or designee; the Ohio state university vice president for finance and planning or designee; the Ohio state university vice president for business and administration or designee; the medical director of the hospitals or designee; and the chief of medical staff or designee.
- (C) Meetings. The committee shall meet at the call of the chairman as often as is necessary to perform its duties. (B/T 5/2/80, B/T 11/7/80, B/T 9/4/81)

Upon motion of Dr. Jacob, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**TRAVEL REIMBURSEMENT**

Resolution No. 82-26

*Synopsis: Changes in policy regarding reimbursement for out-of-state travel are recommended.*

WHEREAS the Board of Trustees has authority to establish policy and reimbursement rates governing travel outside Ohio by University personnel on official business; and

WHEREAS an increase in the current reimbursement rates for out-of-state travel is deemed necessary to properly reimburse University personnel traveling outside Ohio on University business:

**NOW THEREFORE**

**BE IT RESOLVED**, That the Board of Trustees adopt the revised out-of-state travel reimbursement rates which are on file in the Office of the Board of Trustees; and



September 4, 1981 meeting, Board of Trustees

**TRAVEL REIMBURSEMENT (contd)**

BE IT FURTHER RESOLVED, That as further changes in these lodging, meal, and mileage rates are deemed necessary from time to time, revised out-of-state reimbursement rates be incorporated into the Fees and Charges of The Ohio State University Budget and submitted to the Board for approval.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**AGREEMENT WITH THE OHIO BOARD OF REGENTS FOR THE OPERATION  
OF THE RESEARCH AND GRADUATE EDUCATION FACILITY  
AT THE TRANSPORTATION RESEARCH CENTER OF OHIO**

Resolution No. 82-27

*Synopsis: Request for authorization to enter into an agreement with the Ohio Board of Regents for the operation of the research and graduate education facility at the Transportation Research Center of Ohio.*

WHEREAS the Board of Regents has requested that The Ohio State University enter into a contract with the Regents for the purpose of continuing the management of the research and graduate education facility at the Transportation Research Center of Ohio for the benefit of all institutions of higher education in the State of Ohio; and

WHEREAS this contract provides that The Ohio State University will be responsible for convening an Advisory Board comprised of deans of the engineering colleges of the state-assisted and private colleges in Ohio for the purpose of consulting on matters relating to control and management of this facility:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration of The Ohio State University be authorized to enter into such an agreement with the Ohio Board of Regents for the operation of the research and graduate education facility located at the Transportation Research Center of Ohio, East Liberty, Ohio, for the period July 1, 1981 through June 30, 1983.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 4, 1981 meeting, Board of Trustees

**ACCESSION OF PROPERTY - 1.82 ACRES ADJACENT TO THE  
MANSFIELD REGIONAL CAMPUS, RICHLAND COUNTY, OHIO**

Resolution No. 82-28

*Synopsis: Accession of 1.82 acres adjacent to the Mansfield Regional Campus is proposed.*

WHEREAS the University has been provided with an opportunity to acquire 1.82 acres of land on the south side of State Route 39 in Richland County, Ohio, and situated northwest of, and adjacent to, the main entrance of the Mansfield Regional Campus; and

WHEREAS the property has been acquired by the Mansfield University Foundation through equal contributions of Foundation funds and funds from Mr. John B. Conard, and the Mansfield University Foundation has offered to make a gift of the property to the University through the Development Fund; and

WHEREAS it has been determined that accepting this gift is in the best interests of the University and the Mansfield Regional Campus:

**NOW THEREFORE**

**BE IT RESOLVED**, That the property be accepted as a gift to the University through the Development Fund from the Mansfield University Foundation by the Foundation's conveyance by General Warranty Deed to the Board of Trustees of The Ohio State University; and

**BE IT FURTHER RESOLVED**, That the President and/or Vice President for Business and Administration be authorized to acquire title to the property in the name of the Board of Trustees of The Ohio State University.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

Mr. Devenow:

You might say that that is quite an important thing for Board members that weren't here this morning. That is a piece of property that has access to our Mansfield campus, and we were always nervous about whether somebody was going to do something that might damage the appearance of that campus. Fortunately, now we have got that as a gift and let's thank John Mount; this was a great coup in our favor.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-29

**RESOLVED**, That the report on the University's Investment Portfolio, dated August 21, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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September 4, 1981 meeting, Board of Trustees

## REPORT - FACULTY COUNCIL (UNIVERSITY SENATE)

President Jennings:

Mr. Chairman, Professor Mike Gerald is here. He is currently Chairman of the Faculty Council and would like to say a few words to this Board.

Professor Michael C. Gerald:

Thank you President Jennings. Mr. Chairman, Distinguished Members of the Board, Colleagues, and Loyal Friends of The Ohio State University--I sincerely appreciate the opportunity to join you this afternoon.

When I accepted the opportunity to chat with you this afternoon, implicitly, I also accepted the challenge offered to me by one of my colleagues to keep my remarks brief. As an individual who has been a professor at this University for about a dozen years, this is going to be indeed a formidable challenge to me.

On behalf of the faculty, I wish to congratulate the Presidential Search Committee for identifying and the Board of Trustees for selecting Dr. Edward Jennings to serve as the 10th president of our University. Your choice of this outstanding academic administrator and scholar has been warmly applauded and is strongly supported by our faculty. We believe that he amply possesses those vital professional and personal attributes required to rally and unite all elements of the University community--our students, faculty, staff, and alumni--during this immediate critical period and in the coming years ahead.

Dr. Jennings, the faculty welcomes you to The Ohio State University and hopes that you, your wife, and your sons find abundant happiness and personal and professional satisfaction during your many years here in Columbus.

Our Colleges of Administrative Sciences, Agriculture, Education, Engineering, Pharmacy, and Veterinary Medicine, among many others, have been ranked by their respective peers to be among the very best such educational institutions in the nation. Administrators, students, and faculty have all richly and generously contributed to the well-deserved preeminent reputations of these colleges and to the overall excellent standing of our University among national and international scholars. However, in the absence of significant legislative assistance, we are concerned about the continued intellectual viability of this state's greatest resource.

Our administrators have worked to foster the educational process and search for new knowledge. They have effectively and judiciously allocated funds invested by the Ohio General Assembly in today's young people--people who will apply their education acquired here at Ohio State to help shape the destiny of our state and the nation well into the 21st century. The cost of such an education at this state University must continue to remain within the reach of all academically qualified Ohioans and should not create an insurmountable economic barrier for all but the affluent.

September 4, 1981 meeting, Board of Trustees

**REPORT - FACULTY COUNCIL (UNIVERSITY SENATE) (contd)**

Professor Michael C. Gerald: (contd)

Our University would precipitously grind to a halt without our talented administrators and would clearly lack a *raison d'être* in the absence of a student body. However, the intellectual survival of this University and its stature in the academic community are primarily dependent upon the quality of its faculty and the products of their scholarly endeavors. The faculty of The Ohio State University has had a long and distinguished record for expanding the boundaries of knowledge in all fields of academic inquiry and for also providing solutions to practical problems facing us as citizens of the local community, our state, and the nation.

I hope at some opportunity in the future I will have a chance to expand upon that aspect of my remarks.

President Jennings, on behalf of the entire University faculty, once again, I wish to welcome you and reaffirm our strong desire to assist you in fulfilling the missions of this great University. Mr. Devenow, we are equally committed to serving you and your colleagues who so generously serve as members of our Board.

Thank you for permitting this opportunity to address you today.

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**REMARKS - PRESIDENT JENNINGS**

Mr. Chairman, let me just make a few remarks. Scholars have often said that the most important part of any job is its beginning. Now I'll say that I am in a very real sense at the beginning of my work here at Ohio State.

I want all of you to know that I am proud and privileged to be a part of this magnificent enterprise. Ohio State is undoubtedly an outstanding institution whose greatness stems, in large part, from its rich history and traditions of teaching, research and public service to the citizens of Ohio, the nation and indeed the world.

Soon after I accepted the offer of this Board, I remarked about the quality associated with Ohio State. In my few days here I have been learning first-hand about that quality in many areas of this institution, but most importantly in our faculty, our staff and our students.

The heart of our university is its faculty and Ohio State can be proud that it truly has one of the best. I have been impressed with their competence, their dedication to teaching and scholarly activity, and to the service they provide to virtually innumerable segments of the population of this state.

The students I have met, and I am anxious to meet many more when the quarter begins later this month, are vibrant, interested and serious about their education.

September 4, 1981 meeting, Board of Trustees

**REMARKS - PRESIDENT JENNINGS (contd)**

I have also been extremely impressed to find that staff, who in large measure are responsible for making this place work, share a deep commitment and dedication to their individual tasks and to the University as a whole.

I would be less than candid if I did not admit that we face some serious problems at this time--especially related to fiscal matters. But, I do pledge to you that I am committed to doing all that I can to see that faculty are adequately compensated and attempting to contain the ever-rising cost of education.

These challenges will indeed have the highest priorities.

Just on a personal note: my wife, Mary Eleanor, and I appreciate the many kindnesses and courtesies which have been extended to us by so many associated with Ohio State and the State of Ohio. We are looking forward to the challenges and are anxious to get on with it. Thank you very much.

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Thereupon the Board adjourned to meet Friday, October 2, 1981, at the Fisher Auditorium, Ohio Agricultural Research and Development Center, Wooster, Ohio, at 10:30 a.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-THIRD MEETING  
OF THE BOARD OF TRUSTEES

Wooster, Ohio, October 1, 1981

The Board of Trustees met at its regular monthly meeting on Thursday, October 1, 1981, at the Ramada Inn, Wooster, Ohio, pursuant to adjournment.

The Vice Chairman, Mr. Smith, called the meeting of the Board to order at 7:45 p.m. The meeting was recessed to be reconvened in Executive Session for the purpose of discussing legal issues and personnel-related issues.

Present: Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

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Wooster, Ohio, October 2, 1981

The meeting of the Board of Trustees was reconvened in regular session at 10:30 a.m., Friday, October 2, 1981, in the Fisher Auditorium at the Ohio Agricultural Research and Development Center, Wooster, Ohio.

Present: Warren J Smith, Vice Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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October 2, 1981 meeting, Board of Trustees

Vice Chairman Smith reconvened the regular meeting of the Board at 10:30 a.m., Friday, October 2, 1981.

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### ADDRESS TO BOARD OF TRUSTEES BY MICHAEL C. GERALD

President Jennings:

Before I proceed with the agenda, I would like to call on Professor Michael Gerald, Chairman of the Faculty Council of the University Senate, to provide you a report on the last month's activities.

Professor Gerald:

Thank you, President Jennings, Mr. Chairman, Distinguished Members of the Board, Colleagues, and Loyal Friends of The Ohio State University. 'It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness; it was the spring of hope, it was the winter of despair . . . .' So opens, as of course you know, Charles Dickens', *The Tale of Two Cities*. Parenthetically, I kind of wonder whether if Mr. Dickens was enrolled in one of our freshman English courses whether people would have corrected his writing style with these rather lengthy sentences--making it rather simple.

I perceive that analogous antithetical feelings exist in the minds and hearts of many of the members of the faculty at The Ohio State University--feelings that are undermining their aggressive pursuit of academic excellence. One finds it difficult to contemplate the design and inception of a scholarly program that will require five to ten years to bring to fruition, when the immediate future--the coming days, weeks, months--are so shrouded by uncertainty at both the national and state levels.

The events of recent months reveal a shift in priorities in terms of federal support of programs in education, the social services, the arts and the humanities. Continued support of scientific and even biomedical research programs remain in doubt. There are clear signs that academic programs that have been long in their stages of development and maturation may be rapid in their emasculation and dissolution.

In the absence of the state budget, program curtailment, release of tenured faculty, and salary increases remain unresolved issues. Our concern was clearly manifested when on September 21 over 700 faculty members attended an emergency meeting at which the President and four distinguished and very well-respected faculty colleagues candidly discussed these issues. In passing, it should be noted that never before in the history of the University have so many members of the faculty been in attendance at a single meeting--with the possible exception of a nice autumn afternoon in the Ohio Stadium, of course.

On the positive side--and I would like to emphasize the positive side of my story today--many of us sense and are very greatly encouraged by the increased spirit of cooperation among the Board of Trustees, administration, students, and



October 2, 1981 meeting, Board of Trustees

**ADDRESS TO BOARD OF TRUSTEES BY MICHAEL C. GERALD (contd)**

Professor Gerald: (contd)

faculty. Let me provide some tangible examples of what I feel to be the nature of this cooperation. Representatives of the faculty and students were invited by this Board to play a major role in the selection of candidates for the Presidency of this University. Last week, the Steering Committee of the University Senate, under the very able and dynamic leadership of Professor Richard Gilson of the Department of Aviation, publicly announced its support for a statement issued by the Ohio Student Association. I point out that the Steering Committee of the University Senate is made up predominantly of members of the faculty and administration. This is the first time on record when this organization has indeed supported a student resolution.

In recent days, the Provost has received a report from the Ad Hoc Committee on Policies for Termination of Tenured Faculty During Financial Exigency, an outstanding faculty committee chaired by Professor James Garland of the Department of Physics. This extremely sensitive report examines general conditions which might justify the termination of tenured faculty, and includes both financial exigency as well as academic considerations for termination of such individuals. Inclusion of both of these contingencies, that is financial as well as academic concerns, will enable the University to take grasp of its destiny in setting forth to accomplish its stated missions in the most effective and efficient manner. Within the week, the entire text of this report will be disseminated to the University faculty via publication in *OSU onCampus*, and on October 19, all faculty will be invited to an open discussion of this report. We are hopeful that a final report will be available for submission to the University Senate at its November meeting and be presented to this Board for approval at its meeting in December.

In conclusion, the faculty acknowledges and appreciates the support of the administration and the Board of Trustees in these trying times. We, the faculty, are eagerly looking forward to returning to our laboratories and libraries, our classrooms and clinics, where we can again obsessively resume our scholarly academic endeavors. Thank you, Mr. Chairman.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 82-30

*Synopsis: Resolutions honoring the service of five of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

October 2, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Marion J. Conrad

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 5, 1981, of Marion J. Conrad, Professor Emeritus, Academic Faculty of Educational Administration.

Professor Conrad received the Bachelor of Science degree from Capital University in 1938 and the Master's and Ph.D. degrees from Ohio State in 1946 and 1952. He began his teaching career as a mathematics teacher at the Ravenna City High School in 1938 and was associated with public schools for a total of seven years, rising to the position of principal of Mariemont High School in 1948. He joined The Ohio State University staff in 1950 as a staff associate in the Bureau of Educational Research. He was head of the School Plant Division of the Bureau of Educational Research from 1956 to 1961 and in 1962 was named head of the Educational Administration and Facilities Unit in the College of Education. When he retired in 1974 he held the rank of Professor and Associate Chairman of the Academic Faculty of Educational Administration.

Professor Conrad conducted numerous studies of educational facility needs and was involved heavily in educational facility planning at the local, state, and national levels. He developed the Conrad Formula for Determining the Operating Capacity of Secondary School Buildings; demonstrated a relationship between carpeting as an acoustical floor covering and learning; developed a computer approach to building the high school master schedule, and comprehensive educational planning at the local, district, and state department of education levels; and conducted a replanning study of the Illinois plan for program development on gifted children.

He held membership in several professional associations including the Council of Educational Facility Planners, International; the American Association of School Administrators; the National Conference of Professors of Educational Administration; and the American Educational Research Association. He served on the Board of Directors of the Council of Educational Facility Planners, International and received one of the first distinguished service awards from the Council.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy and sense of understanding it its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

Matthew Charles Dodd

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 27, 1981, of Dr. Matthew Charles Dodd, Professor Emeritus, Department of Microbiology, College of Biological Sciences.

Matthew Charles Dodd was born in Circleville, Ohio, on March 24, 1910. He attended parochial school, Columbus Aquinas High School, class of 1928 and earned his Bachelor of Arts degree from Ohio State in 1933. Dr. Dodd received his doctorate at the University of Michigan in 1942 having studied *Bacillus violaceus* and its antigenic relationships.

October 2, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Matthew Charles Dodd (contd)

In 1941 Dr. Dodd joined the Research Division of the Norwich Pharmaceutical Company in Norwich, New York. During his stay with that company he recognized and developed the chemotherapeutically important drugs Furacin and Furadantin. The work resulted in thirteen patents issued to Dr. Dodd and his associates. His work was very important in the treatment of infections and burns of soldiers during World War II.

Dr. Dodd joined The Ohio State University in 1946 as an Assistant Professor of Bacteriology with primary interest in teaching and research in the area of immunology and pathogenic bacteriology.

During his tenure at Ohio State, Dr. Dodd was major advisor to 68 students receiving the M.S. degree and 40 receiving the Ph.D. degree.

In 1975 he was recognized as a preeminent educator when he received a national award, (Carski Distinguished Teaching Award) from his peers in the American Society for Microbiology.

Dr. Dodd served a term as Chairman of the Department of Microbiology beginning in 1967.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and The Ohio State University have sustained.

Roger M. Thomas

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 31, 1981, of Roger M. Thomas, County Extension Agent Emeritus, Cooperative Extension Service.

Mr. Thomas joined the Extension Service of The Ohio State University as County Agricultural Agent in Scioto County in 1924. He served there until 1938 at which time he moved to Portage County where he continued as Agricultural Agent until his retirement on December 31, 1959.

He is remembered as an effective agent who was innovative in his use of visual aids. He is also remembered for his work in dairy, agronomy, artificial insemination and production testing.

Prior to becoming an Extension Agent, Mr. Thomas taught school one year and earned his Bachelor of Science in Agriculture degree from The Ohio State University. He did graduate work at Colorado State, Cornell and the University of Indiana. Mr. Thomas was active in church, community and professional organizations.

October 2, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Roger M. Thomas (contd)

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Thomas its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

James D. Wilson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 2, 1981, of James D. Wilson, Associate Professor and Chairperson of the General Studies Division at the Agricultural Technical Institute.

Mr. Wilson was born December 28, 1943. He was graduated from Marion L. Steele High School in Amherst, Ohio, in 1961 and began his college studies at Baldwin-Wallace. In 1963 he transferred to The Ohio State University and was awarded his Bachelor of Science degree in anatomy/English/psychology. He pursued his post graduate work in English at Kent State University and Indiana University of Pennsylvania.

Mr. Wilson joined the faculty of The Ohio State University at the Agricultural Technical Institute in Wooster, Ohio, on July 1, 1974, after five years teaching experience at the Kent State University and the University of Akron. In 1978 Mr. Wilson became the first Chairperson of the General Studies Division at the Agricultural Technical Institute.

Mr. Wilson was a dedicated and highly respected educator. He was well known and respected among his peers and students and served the University in a commendable fashion.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss which the family, the University and his many friends and associates have sustained.

John Harold Wilson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 28, 1981, of John Harold Wilson, Professor Emeritus, Department of English in the College of Humanities.

Dr. Wilson was born in Springfield, Ohio, on February 11, 1900. He received an A.B. degree from Oberlin College in 1922, the M.A. degree from Syracuse University in 1924, and the Ph.D. degree in English from The Ohio State University in 1927.

Dr. Wilson was an Instructor at Syracuse University from 1922-1924, and a Lecturer in English at the University of Tennessee in the Spring of 1936 and 1938. He was also a

October 2, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

John Harold Wilson (contd)

Lecturer in English at Michigan State University in the Summer of 1958. Dr. Wilson joined the faculty of the Department of English at Ohio State in 1924 with the rank of Instructor, was promoted to Assistant Professor in 1928, to Associate Professor in 1934, and to Professor in 1942. He retired in 1968.

Dr. Wilson authored or coauthored twenty books and numerous articles, most of them dealing with his specialty, Restoration drama and 18th Century British literature. He was a Folger Fellow, a Guggenheim Fellow, and member of the Modern Language Association, the Society for Theatre Research, and the American Association of University Professors.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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**PERSONNEL ACTIONS**

Resolution No. 82-31

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Appointment of Acting Academic Faculty, Department, and/or Division Chairmen; Appointment of Director; Leaves of Absence Without Salary; Professional Improvement Leave; and Emeritus Title are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 4, 1981 meeting of the Board, including the following Appointments; Appointment of Acting Academic Faculty, Department, and/or Division Chairmen; Appointment of Director; Leaves of Absence Without Salary; Professional Improvement Leave; and Emeritus Title as detailed in the University Budget, be approved.

Appointments

Name:	JAMES LEE NICHOLS
Title:	Treasurer
Department:	University Treasurer
Salary:	\$34,500.00 (12-month)
Effective:	November 1, 1981 (on or about)
Present Position:	Deputy Director for Administration, Department of Energy, State of Ohio

President Jennings requested Vice President Jackson to say a word about Mr. Nichols.

October 2, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointments (contd)

Mr. Jackson:

Thank you, Dr. Jennings. Mr. Smith, and members of the Board of Trustees, I am very pleased to be able to have the name of James Lee Nichols presented to you today for consideration for the position of University Treasurer. After Mr. Kristoff left the University, we began looking diligently for someone to replace him, and it has obviously taken some period of time. We did that purposely because we wanted to find someone who we thought could provide leadership as well as some continuity over a period of time. I have known this young man for some period of years. I have watched him grow and mature into management positions. At this time he is Deputy Director of the Department of Energy, State of Ohio, and I am most hopeful that you will support this appointment and that we can bring him on board so that I can get Mr. Brace back from over there, back into my office where I need him so badly, and I am certainly most appreciative of the job he has done over there. I would hope that the Board would approve Mr. Nichols' appointment.

Name: VIRGINIA M. VIVIAN  
Title: Professor (Carol S. Kennedy Professorship in Human Nutrition)  
Department: Human Nutrition and Food Management  
Salary: \$37,560.00 (12-month)  
Effective: September 1, 1981  
Present Position: Professor, Department of Human Nutrition and Food Management and Department of Food Science and Nutrition, The Ohio State University

Appointment of Acting Academic Faculty, Department, and/or Division Chairmen

Effective September 1, 1981

Charles C. Capen  
Michael C. Gerald

Veterinary Pathobiology  
Pharmacology (College of Pharmacy)

Effective October 1, 1981

Robert L. Arnold  
Frederic J. Cadora

Art Education  
Judaic and Near Eastern Languages and Literatures  
Labor and Human Resources

Robert C. Miljus

Appointment of Director

Effective October 1, 1981

Yehiel Hayon

Melton Jewish Center

October 2, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Leaves of Absence Without Salary

RONALD WILSON HART, Professor, Departments of Radiology and Preventive Medicine, effective September 1, 1981 through June 30, 1982, to serve as Director, National Center for Toxicological Research for the Federal Drug Administration.

RONALD L. ERNST, Associate Professor, Department of Computer and Information Science, effective October 1, 1981 through June 30, 1982, to continue Visiting Associate Professorship at North Carolina State University.

ZANE SPIEGEL, Associate Professor, Department of Geology and Mineralogy, effective October 1, 1981 through December 31, 1981, for personal reasons.

MICHAEL FLIGNER, Assistant Professor, Department of Statistics, effective October 1, 1981 through September 30, 1982, to serve as a Visiting Associate Professor at the University of Arizona.

JOSEPH ROSENBLATT, Assistant Professor, Department of Mathematics, to change date from October 1, 1981 through September 30, 1982 to October 1, 1981 through June 30, 1982, to accept a Visiting Professorship at the University of Missouri.

DEANNE G. GORDON, Instructor, School of Nursing, effective October 1, 1981 through December 31, 1981, for personal reasons.

GAIL S. ODNEAL, Instructor, School of Nursing, effective October 1, 1981 through December 31, 1981, for personal reasons.

ELSPETH H. SAWYER, Instructor, School of Nursing, effective October 1, 1981 through June 30, 1982, to pursue graduate work leading to the Ph.D. degree.

Professional Improvement Leave

ALLAN M. BURKMAN, Professor, College of Pharmacy, change dates from Autumn Quarter 1981, Winter Quarter 1982, Spring Quarter 1982, and Summer Quarter 1982 to September 1, 1981 through August 31, 1982.

Emeritus Title

ADALBERT KOESTNER, Department of Veterinary Pathobiology, with the title Professor Emeritus, effective October 1, 1981.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-32

*Synopsis: The reports on contracts, grants, and gifts and the summary for August are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Administration of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station and The Ohio State University Development Fund during the month of August 1981, be approved.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR AUGUST 1981**

Source	No. of Projects	Support Level
Office of Business and Administration	6	\$ 123,921.00
The Ohio State University Research Foundation	93	5,737,755.00
Engineering Experiment Station	49	668,431.00
		\$6,530,107.00
The Ohio State University Development Fund		
Establishment of Named Funds		
Gamma Alpha Library Fund (Libraries of Chemistry, Physics, Botany, Biological Sciences, and Geology Departments)		\$ 12,000.00



October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR AUGUST 1981 (contd)**

The Ohio State University Development Fund (contd).

Establishment of Named Funds (contd)

Graduate Program in Hospital and Health Services Administration Excellence Endowment Fund (Graduate program in Hospital and Health Services Administration)	\$ 5,000.00
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Change Name of Named Fund

From: The Porter, Wright, Morris &  
Arthur Professorship in Law Fund  
To: The Joseph S. Platt--Porter, Wright,  
Morris & Arthur Professorship in  
Law Fund

Report from Presidents Club

Members to date	4,489
1981 members: year to date	102
New members - August 1981	11

New Presidents Club Members - August 1981

Brian D. Andresen	Mark Guess
Christopher J. Barber	Jay D. Iams
Patricia J. Carroll	Mary L. Summer
Teresa M. Carroll	Earl E. Ward
Rosemary Chalfin	Jerry L. Wircenski
Donald J. Francill	

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND ADMINISTRATION**

**Federal Research Contracts/Grants**

\$48,319.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Dentistry, July 1, 1981 through June 30, 1982. (Grant No. 05L 390075-81 BHL 17-30, Former No. 2 7 45 0430 15 1)

\$39,356.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Medicine, July 1, 1981 through June 30, 1982. (Grant No. 05L 390071-81 BHL 17-10, Former No. 1 7 45 0430 15 1)

\$9,158.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Veterinary Medicine, July 1, 1981 through June 30, 1982. (Grant No. 05L 390083-81 BHL 17-70, Former No. 7 7 45 0430 15 1)

\$9,099.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Optometry, July 1, 1981 through June 30, 1982. (Grant No. 05L 390077-81 BHL 17-40, Former No. 4 7 45 0430 15 1)

\$7,989.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Pharmacy, July 1, 1981 through June 30, 1982. (Grant No. 05L 390079-81 BHL 17-50, Former No. 5 7 45 0430 15 1)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 113,921.00**

**Other Research Contract/Grant**

\$10,000.00 - Franklin County Board of Education, Central Ohio Instructional Resource Center, Columbus, Ohio, Off Campus Inservice Courses through Central Ohio Special Education Regional Resource Center, Academic Faculty for Exceptional Children, September 6, 1981 through June 15, 1982. (Contractual Agreement - 2, Project 642R-6B-82-R)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$489,920.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Spinal Cord Injury Research Center, Department of Surgery (W. E. Hunt) and Department of Anatomy (J. S. King), 1 September 1981 through 31 August 1982. (Project 763358 - Continuation)

\$433,880.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$336,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant Programs, Rockville, Maryland, The Ohio State Sea Grant Program 1981-1982, Center for Lake Erie Area Research (C. E. Herdendorf and J. M. Reutter), 1 September 1981 through 31 August 1982. (Project 762833 - Continuation)

\$185,703.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 September 1981 through 31 August 1982. (Project 760043 - Continuation)

\$179,000.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Resource Sharing through Interlibrary Loan - A Program for Collection Enhancement and Bibliographic Access, University Libraries (W. J. Studer), 1 January 1982 through 30 March 1983. (Project 762814 - New)

\$142,299.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Minority Student Recruitment, Preparation, and Retention Program Towards Careers in Dentistry, Medicine, Optometry, Pharmacy, and Veterinary Medicine, College of Medicine - Administration (E. C. Craig and C. L. Yash), 1 September 1981 through 31 August 1982. (Project 762834 - New)

\$128,122.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Graduate and Professional Opportunities Program, Graduate School - Administration (A. S. Pruitt), 1 September 1981 through 31 August 1982. (Project 762831 - New)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$125,000.00 - National Science Foundation, Washington, D. C., Acquisition of a Helium Liquefier-Recovery System, Department of Physics (J. R. Gaines), 1 August 1981 through 31 July 1983. (Project 762794 - New)

\$113,083.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Division of Nursing, Hyattsville, Maryland, Professional Nurse Traineeship Program, School Nursing (E. L. Fritz), 1 July 1981 through 30 June 1982. (Project 760803 - Continuation)

\$107,286.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Organelle Transmission Genetics, Department of Genetics (C. W. Birky and P. S. Perlman), 1 August 1981 through 31 July 1982. (Project 760122 - Continuation)

\$90,000.00 - Department of Agriculture, Arlington, Virginia, A Sustained Release Parenteral Dosage Form of Magnesium for the Prevention of Hypomagnesemia, Department of Veterinary Clinical Sciences (G. F. Hoffsis), 1 July 1981 through 30 June 1983. (Project 762808 - New)

\$87,044.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1981 through 31 August 1982. (Project 760026 - Continuation)

\$86,416.00 - Department of Education, Rehabilitation Services Administration, Washington, D. C., Training Grant in Physical Medicine and Rehabilitation, Department of Physical Medicine (E. W. Johnson), 1 July 1981 through 30 June 1982. (Project 760750 - Continuation)

\$86,220.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Hypocholesterolemic Agents: Stereochemical Studies, College of Pharmacy (D. T. Witiak), 1 September 1981 through 31 August 1982. (Project 762769 - Continuation)

\$84,474.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagouris) and Department of Medicine (W. B. Malarkey), 1 December 1980 through 30 November 1981. (Project 761196 - Continuation)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$81,748.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, Detection of DNA Damage Following Exposure to Genotoxins, Departments of Pharmacology and Radiology (S. M. D'Ambrosio) and Department of Medicine (R. Whisler), 1 September 1981 through 31 August 1982. (Project 762787 - New)

\$79,930.00 - Department of Education, Office of Dissemination and Professional Improvement, Washington, D. C., Teacher Corps, Academic Faculty of Early and Middle Childhood Education (C. R. Williams and R. Cunningham), 15 July 1981 through 14 July 1982. (Project 761660 - Continuation)

\$75,016.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., The Electrophysiologic Mechanisms of Halogenated Alkane Arrhythmogenesis, Department of Veterinary Physiology and Pharmacology (S. M. Strauch), 1 September 1981 through 31 August 1982. (Project 761648 - Continuation)

\$72,000.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. Walter, R. Marhefka, and R. Rudduck), 24 June 1981 through 31 July 1982. (Project 761784 - Continuation)

\$70,848.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, C-Reactive Protein Regulation of Tumor Immunity, Department of Microbiology (R. F. Mortensen), 1 July 1981 through 30 June 1982. (Project 762354 - Continuation)

\$67,644.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weisogel), 1 April 1981 through 15 January 1982. (Project 762359 - Continuation)

\$65,300.00 - National Science Foundation, Washington, D. C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 August 1981 through 31 July 1982. (Project 762803 - Continuation)

\$64,445.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Felv Leukemogenesis and Phenoplastic Lesions, Department of Veterinary Pathobiology (R. G. Olsen), 1 September 1981 through 30 June 1982. (Project 762826 - New)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$63,000.00 - Tennessee Valley Authority, Chattanooga, Tennessee, Coal Pile Electromagnetic Sensing Research, Department of Electrical Engineering, Electro-Science Laboratory (J. Young), 16 April 1981 through 30 September 1982. (Project 762162 - Continuation)

\$59,300.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Influence of Nitrogen on the Sensitization, Corrosion, Mechanical and Microstructural Properties of Austenitic Stainless Steels, Department of Metallurgical Engineering (W. A. Clark, D. D. Macdonald, and S. Pednekar), 15 August 1981 through 14 August 1984. (Project 762818 - New)

\$55,000.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., The Metabolic Costs of Social Interaction Related to Pollution Exposure in a Mammal, Department of Zoology (T. J. Peterle), 17 August 1981 through 30 September 1983. (Project 762810 - New)

\$52,897.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Chromatin in Spermatogenesis and Fertilization, Department of Veterinary Pathobiology (K. Marushige), 1 September 1981 through 31 August 1982. (Project 761910 - Continuation)

\$52,070.00 - National Science Foundation, Washington, D. C., A Multistage Molecular Model for Neoplastic Transformation in Rats, Cancer Research Center (P. C. Kimball), 1 September 1981 through 31 August 1982. (Project 761782 - Continuation)

\$51,378.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Regulation of Dihydrofolate Reductase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 July 1981 through 30 June 1982. (Project 761710 - Continuation)

\$51,367.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Biological Control of Vectors of Human Disease, Department of Entomology (J. D. Briggs), 1 September 1981 through 31 August 1982. (Project 761909 - New)

\$50,445.00 - National Science Foundation, Washington, D. C., Ultrastructure of Fossil Pollen and Spores, Department of Botany (T. N. Taylor), 1 October 1981 through 30 September 1982. (Project 762215 - Continuation)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$49,656.00 - National Science Foundation, Washington, D. C., Resident and Neighborhood in the American City: 1920 to 1980, Department of Geography (K. R. Cox), 1 September 1981 through 31 August 1983. (Project 762813 - New)

\$47,971.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Independent Forcing of Lung Volume and CO<sub>2</sub> Concentration, Department of Physiology (A. L. Kunz), 1 August 1981 through 31 July 1982. (Project 762820 - New)

\$41,040.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, TCM Replacement, Department of Civil Engineering (O. Sproul and A. Rubin), 28 July 1981 through 5 August 1982. (Project 762682 - Continuation)

\$40,000.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Theoretical Foundations of Software Technology, Department of Computer and Information Science (B. Chandrasekaran, L. J. White, and H. W. Buttelmann), 1 July 1981 through 30 June 1982. (Project 761640 - Continuation)

\$38,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Intestinal Secretion: Receptor Mechanisms, College of Pharmacy (T. S. Gaginella), 1 September 1981 through 31 August 1982. (Project 761373 - Continuation)

\$35,000.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 10 August 1981 through 30 November 1981. (Project 762612 - Continuation)

\$35,000.00 - National Science Foundation, Washington, D. C., Conducting Polymers: Magnetic, Optical and Transport Studies, Department of Physics (D. B. Tanner), 1 August 1981 through 31 July 1982. (Project 762830 - New)

\$35,000.00 - National Science Foundation, Washington, D. C., Geologic and Paleontologic History of the James Ross Island Basin, Northern Antarctic Peninsula, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 1 August 1981 through 31 July 1982. (Project 762806 - New)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$34,999.00 - National Science Foundation, Washington, D. C., Cenozoic Biostratigraphy of Antarctica, Institute of Polar Studies (P. N. Webb), 1 September 1981 through 31 August 1982. (Project 762812 - New)

\$34,000.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Scale Shape as an Innate Tag for the Identification of Striped Bass Stock, Department of Zoology (T. J. Peterle, R. F. Carline, and F. J. Margraf), 31 July 1981 through 30 June 1982. (Project 762788 - New)

\$32,694.00 - National Science Foundation, Washington, D. C., Studies of Petrified Carboniferous Age Fungi, Department of Botany (T. N. Taylor and S. P. Stubblefield), 1 August 1981 through 31 July 1982. (Project 762801 - New)

\$31,948.00 - National Science Foundation, Washington, D. C., Collaborative Research and Monographic Study of the Genus *Coreopsis* (Compositae), Department of Botany (D. J. Crawford), 1 September 1981 through 31 August 1982. (Project 762328 - Continuation)

\$31,803.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *in Vitro*, College of Pharmacy (D. Witiak), 1 July 1980 through 30 September 1981. (Project 762177 - Continuation)

\$31,467.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1981 through 30 June 1982. (Project 761133 - Continuation)

\$30,000.00 - National Science Foundation, Washington, D. C., Stratigraphy, Sedimentology, and Sedimentary Petrology of the Permian-Triassic Gondwana Sequence in North Victoria Land, Antarctica, Institute of Polar Studies (J. W. Collinson), 15 August 1981 through 31 July 1982. (Project 762829 - New)

\$29,992.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 1 July 1981 through 14 September 1982. (Project 760226 - Continuation)

\$29,800.00 - National Science Foundation, Washington, D. C., Development of a Course in Chemical Process Design Based on Computer-Graphic Techniques, Department of Chemical Engineering (K. S. Knaebel and L. S. Fan) and Department of Industrial and Systems Engineering (R. S. Ahluwalia), 31 July 1981 through 29 February 1984. (Project 762819 - New)



October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$29,761.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Hormonal and Dietary Control of ATP Citrate Lyase, Department of Food Science and Nutrition (K. L. Koehrig), 1 September 1981 through 31 August 1982. (Project 762408 - Continuation)

\$27,645.00 - National Science Foundation, Washington, D. C., EEA, A Differentiation Enhancing Factor in *Acanthamoeba*: Characterization, Synthesis, and Fate, Department of Microbiology (T. J. Byers), 1 August 1981 through 31 July 1982. (Project 762309 - Continuation)

\$19,736.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Effects of Autoconial Deprivation on Gravity Receptors, Department of Otolaryngology (D. J. Lim and D. R. Trune), 1 August 1981 through 31 July 1982. (Project 761485 - Continuation)

\$15,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Research Laboratories, Boulder, Colorado, Viscous Stability of Tornado-Like Vortices, Department of Aeronautical and Astronautical Engineering (M. R. Foster), 1 July 1981 through 30 June 1982. (Project 761347 - Continuation)

\$15,000.00 - Department of Education, National Institute of Education, Washington, D. C., Participatory Democratic Evaluation: A Case Study of an Emerging Model, Academic Faculty of Early and Middle Childhood Education (R. Donmoyer), 1 September 1981 through 31 August 1982. (Project 762805 - New)

\$14,995.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Experimental Investigation of Flow Fields of Rotors in Hover with Modified Tips, Department of Mechanical Engineering (H. R. Velkoff), 1 July 1981 through 30 September 1981. (Project 760964 - New)

\$14,224.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Predoctoral Internship in Health Care Psychology, Department of Psychiatry (P. A. Marks), 1 August 1981 through 30 June 1982. (Project 761167 - Continuation)

\$12,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of a Vaccine Against Lethal Exotoxin of *Pseudomonas Aeruginosa*, Department of Microbiology (N. R. Baker), 1 June 1981 through 31 May 1982. (Project 761141 - Continuation)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$10,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, SETI Research, Department of Electrical Engineering (J. D. Kraus and R. S. Dixon), 1 July 1981 through 31 December 1981. (Project 760413 - Continuation)

\$9,278.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Additional Work on "Study to Determine the IFR Operational Profile of the General Aviation Single-Pilot," Department of Aviation (G. S. Weislogel and G. C. Chapman), 1 July 1981 through 30 November 1981. (Project 761869 - Continuation)

\$9,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright Patterson Air Force Base, Ohio, Supercritical Airfoil Wind Tunnel Flutter Research, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 20 July 1981 through 30 September 1981. (Project 762832 - New)

\$8,716.00 - National Science Foundation, Washington, D. C., Thermoregulatory Significance of Pigment Intensity in Avian Adaptations, Department of Zoology (S. I. Lustick), 1 September 1981 through 31 October 1982. (Project 761934 - Continuation)

\$7,999.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Ultraviolet Studies of Some Be Stars of Later Type, Department of Astronomy (A. E. Slettebak), 1 September 1981 through 31 August 1982. (Project 762142 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute and Fogarty International Center, Bethesda, Maryland, Satellite Symposium on Comparative Respiration, Department of Physiology (A. L. Kunz), 1 August 1981 through 30 November 1981. (Project 762816 - New)

\$1,891.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Organelle Transmission Genetics, Department of Genetics (C. W. Birky and P. S. Perlman), 1 August 1981 through 31 July 1982. (Project 760122 - Continuation)

\$1,250.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 3 August 1981 through 30 November 1981. (Project 761955 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$4,497,770.00**

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants

\$78,000.00 - State of Ohio, Department of Commerce, Division of Real Estate, Columbus, Ohio, Center for Real Estate Education and Research, Center for Real Estate Education and Research (R. L. Racster), 1 July 1981 through 30 June 1982. (Project 762738 - New)

\$10,650.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Physical Medicine (D. Poindexter), 1 July 1980 through 30 June 1981. (Project 762262 - Continuation)

\$10,300.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Medicine (S. P. Balcerzak), 1 July 1981 through 31 October 1981. (Project 762760 - Continuation)

\$5,000.00 - Ohio Arts Council, Columbus, Ohio, Arts-of-the-Book Apprenticeship at The Logan Elm Press, Department of Art Education (K. A. Marantz), 1 August 1981 through 15 June 1982. (Project 762807 - New)

\$2,000.00 - Ohio Historical Society, Columbus, Ohio, Regional Preservation Office 7HA, Mansfield Campus (D. Kramer and S. McQuillin), 15 February 1981 through 30 September 1981. (Project 762441 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                   \$ 105,950.00**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$272,386.00 - The Procter & Gamble Company, Cincinnati, Ohio, Study of Dental Caries, College of Dentistry (W. A. Zacherl), 1 July 1981 through 30 June 1982. (Project 762065 - Continuation)

\$127,464.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Interprofessional Development of Clinical and Continuing Education by the Commission on Interprofessional Education and Practice, Academic Faculty of Educational Administration (L. Cunningham), 1 October 1981 through 30 September 1982. (Project 762825 - New)

\$123,344.00 - Franklin County Mental Retardation Board, Columbus, Ohio, Preschool Program, The Nisonger Center for Mental Retardation (M. Guralnick), 1 September 1981 through 30 August 1982. (Project 762815 - Continuation)

\$100,529.00 - The Procter & Gamble Company, Cincinnati, Ohio, Study of Dental Calculus, College of Dentistry (C. Conroy), 1 July 1981 through 30 June 1982. (Project 760029 - Continuation)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$78,000.00 - Battelle Memorial Institute Foundation, Columbus, Ohio, A Numerical Problem Solving Course for Underprepared College Intending Seniors, Department of Mathematics (J. R. Leitzel), 1 July 1981 through 30 June 1983. (Project 762802 - New)

\$62,725.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Development of a Non-Traditional Medical Record Administration Program, School of Allied Medical Professions (M. S. Pariser), 1 September 1981 through 31 August 1982. (Project 762768 - New)

\$38,662.00 - University of Florida, Gainesville, Florida, Development of a Vaccine against *Haemonchus Contortus* in Sheep, Department of Veterinary Pathobiology (C. H. Courtney), 1 July 1981 through 31 August 1984. (Project 762796 - New)

\$36,774.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Evolution and Mechanisms of Symbiont-Host Recognition on Two Insect Disorders, Department of Medical Microbiology and Immunology (N. L. Somerson and J. D. Pollack), 1 September 1979 through 31 August 1982. (Project 761856 - Continuation)

\$35,075.00 - Council on International Educational Exchange, New York, New York, The Ohio State University Summer Workshop for Japanese Teachers of English, Department of English (B. Sutton), 30 March 1981 through 29 August 1981. (Project 762799 - New)

\$34,648.00 - International Business Machines Corporation, San Jose, California, Transition Metal Mediated Carbon-Carbon Bond Formation, Department of Chemistry (D. J. Hart), 1 August 1981 through 31 July 1982. (Project 762800 - New)

\$30,000.00 - American Cancer Society, Inc., New York, New York, American Cancer Society Institutional Research Grant, Cancer Research Center (D. S. Yohn), 1 July 1981 through 30 June 1982. (Project 764472 - Continuation)

\$27,500.00 - The Procter & Gamble Company, Cincinnati, Ohio, Detection of Neurotoxicity by Morphologic and Functional Techniques, Department of Medicine (J. P. Mendell and Z. Sahenk), 1 July 1981 through 31 December 1982. (Project 762821 - New)

\$27,008.00 - Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, Study the Relationships Between Fracture Mechanics and Ultrasonic Parameters of Graphnol, Department of Welding Engineering (L. Adler), 20 July 1981 through 31 July 1982. (Project 762817 - New)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$24,000.00 - Twelve Members of the National Alliance, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 20 June 1982. (Project 761599 - Continuation)

\$21,100.00 - American Association of School Administrators, Arlington, Virginia, Study of the American Superintendency, Academic Faculty of Educational Administration (L. L. Cunningham), 1 June 1981 through 31 December 1981. (Project 762778 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Prostanoids and Serum Lipids in the Exercise Conditioned Rat, Department of Physiological Chemistry (A. J. Merola), 1 October 1981 through 30 September 1982. (Project 762795 - New)

\$15,000.00 - Kappa Delta Pi, Lafayette, Indiana, Workshops and Research Studies, Academic Faculty of Educational Foundations and Research (J. Frymier), 1 September 1981 through 31 December 1982. (Project 762804 - New)

\$14,978.00 - San Jose State University Foundation, San Jose, California, Theoretical Analysis of Impurity Band Broadening and Bandgap Narrowing in Semiconductor Materials, Department of Physics (L. C. Brown), 1 June 1981 through 31 May 1982. (Project 762740 - New)

\$12,081.00 - University of Cincinnati, Cincinnati, Ohio, A Statewide Project to Prepare a Curriculum Guide for Training in Health Education Services in Nutrition, College of Medicine - Administration (J. B. Battles), 1 July 1981 through 30 September 1981. (Project 762754 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, The Role of Herpesvirus in Atherosclerosis, Department of Microbiology (M. T. Muller), 1 October 1981 through 30 September 1982. (Project 762828 - Continuation)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Vascular Changes in Placental Bed in Hypertensive Pregnancy, Department of Obstetrics and Gynecology (R. O'Shaughnessy), 1 October 1981 through 30 September 1982. (Project 762725 - New)

\$5,000.00 - Madison County Hospital, London, Ohio, Psychology Internship, Academic Faculty of Special Services (J. Quaranta), 1 February 1981 through 31 August 1981. (Project 762798 - New)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$4,857.00 - The Prudential Insurance Company of America, Newark, New Jersey, Behavior Modeling Training Films, Department of Psychology (M. D. Hakel), 1 June 1981 through 31 October 1981. (Project 762824 - New)

\$904.00 - Buck Engineering Company, Inc., Farmingdale, New Jersey, Needs Assessment Survey: Chile/Buck Engineering, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 15 August 1981. (Project 762673 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,134,035.00**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$115,486.00 - Florida Department of Transportation, Tallahassee, Florida, Fabrication of Two Pavement Friction Measurement Systems, Transplex, August 2, 1981 through March 31, 1982. (312713/7009)

**Industrial and Other Sponsored Research and Development**

\$430,000.00 - various industries for general support of the Center for Welding Research, Department of Welding Engineering, August 1, 1981 through July 31, 1982. Current industry participants and their respective levels of support include:

Bishopric Products, Inc., Cincinnati, Ohio	\$ 30,000
Caterpillar Tractor Co., E. Peoria, Illinois	30,000
Euclid, Inc., Cleveland, Ohio	30,000
GATAX, Gard, Inc., Niles, Illinois	30,000
G. E. Aircraft Engine, Evendale, Ohio	80,000
GM Technical Center, Detroit, Michigan	30,000
IBM, Armonk, New York	30,000
Standard Oil, Cleveland, Ohio	30,000
Westinghouse, Pittsburgh, Pennsylvania	30,000
Pending Support	110,000

The CWR second year research program consists of the following projects:

Director's Office--added funding total of	\$124,950	(529090)
Sensing and Control of Arc Welding Process	214,760	(529501)
Weld Pool Solidification under Power Variations	69,830	(529502)

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**Industrial and Other Sponsored Research and Development (contd)**

Laser and Laser-Arc Welding Studies	\$ 70,620	(529503)
Weld Strength of Steel Structures	75,070	(529504)
Weld Discontinuity Analysis	67,210	(529505)
Resistance Welding	45,000	(529506)
Micro Joining	22,560	(529507)

The second year of CWR activity includes federal support from National Science Foundation through The Ohio State University Research Foundation Project 713272 totalling \$260,000.00. (EES 529090, 529501-8)

\$122,945.00 - various industries for 40 development projects conducted in six departments for the College of Engineering.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED  
RESEARCH AND DEVELOPMENT**

**\$ 552,945.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$128,911.72 - Trust Under the Will of Kathryn L. Mitchell, Columbus, Ohio, for Gilbert and Kathryn Mitchell Fund.

\$68,450.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$25,000.00 - Norden Laboratories, Lincoln, Nebraska, for Veterinary Pathology Graduate Training Fund.

\$25,000.00 - Texagulf, Inc., Stamford, Connecticut, for Endowed Professorship in Plant Protection.

\$17,318.75 - Hoffmann-LaRoche, Inc., Nutley, New Jersey (given in the name of Dr. Brian D. Andresen), for Clinical Pharmacology Fund.

\$17,000.00 - The George Gund Foundation, Cleveland, Ohio, for furtherance of extension work in Cuyahoga County.

\$16,000.00 - Eli Lilly and Company, Indianapolis, Indiana, for Infectious Disease Research Fund.

\$13,944.00 - SmithKline Corporation, Philadelphia, Pennsylvania, for O.S.P.A.

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$12,184.64 - Systems Associates, Inc., Columbus, Ohio (given in the name of Thomas M. Bashore, M.D. and John M. Stang, M.D.), for Cardiology Support Fund.

\$11,808.22 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$11,400.00 - The Lubrizol Foundation, Cleveland, Ohio--\$7,000.00 for Lubrizol Foundation Fellowship Fund for Chemistry; \$2,400.00 for Lubrizol Foundation Scholarship Fund; and \$2,000.00 for Lubrizol Foundation Scholarship Fund for Chemical Engineering.

\$10,712.60 - Textron, Inc., Providence, Rhode Island (290 shares of Teradyne, Inc., stock), for Joseph B. Collinson Scholarship Fund.

\$10,000.00 - Iddings Foundation, Dayton, Ohio, for Iddings Foundation Scholarship Fund.

\$10,000.00 - Carl Shurtz, Tucson, Arizona--\$7,500.00 for College of Medicine Progress Fund and \$2,500.00 for University Hospital Atrium Fund.

\$9,193.83 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$8,600.00 - Harry K. Tayama, Columbus, Ohio, for Ohio Florists Association Special Fund.

\$8,380.08 - Westfield Companies, Westfield Center, Ohio, for Ohio 4-H Foundation Support Fund.

\$8,000.00 - Phi Beta Psi Charity Trust Fund, Bryan, Ohio, for Cancer Research Fund.

\$7,500.00 - The B. F. Goodrich Company, Akron, Ohio, for B. F. Goodrich Company Fund for Polymer Engineering Research Fund.

\$7,435.20 - Ives Laboratories, Inc., New York, New York, for Cardiovascular Pharmacology Fund.

\$6,500.00 - Len Immke Buick, Columbus, Ohio, for Presidents Club Special Fund.

\$6,500.00 - Pennsylvania Power and Light Company, Allentown, Pennsylvania, for Mechanical Engineering Coal Combustion Laboratory Fund.



October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$6,250.00 - Owens-Corning Fiberglas Corporation, Toledo, Ohio--\$6,000.00 for Owens-Corning Fiberglas Engineering Scholarship Fund and \$250.00 for College of Engineering Special Fund.

\$6,025.00 - Mrs. Jesse M. Joseph, Cincinnati, Ohio (100 shares of Martin Marietta common stock), for Division of Hematology and Oncology Research Fund.

\$6,000.00 - Mosier Industries, Inc., Brookville, Ohio, for Mosier Fund.

\$5,500.00 - Ohio Farm Bureau Federation, Inc., Columbus, Ohio (given in the name of Glenn R. Pirtle), for Farm Bureau Scholarship Fund.

\$5,363.15 - Ohio Urology, Inc., Columbus, Ohio, for Urology Education Fund.

\$5,250.00 - Kibble Foundation, Gahanna, Ohio, for Kibble Foundation Scholarship Fund.

\$5,035.00 - D. J. and J. N. Knull Trust, Columbus, Ohio, for D. J. and J. N. Knull Fund.

\$5,004.00 - Field Enterprises Charitable Corporation, Chicago, Illinois (417 shares of Class B common stock of Addison-Wesley Publishing Company, Inc.), for Milton Caniff Research Room.

\$5,000.00 - Norman O. Cappel, Ph.D., Cochranville, Pennsylvania, for Department of Chemistry Support Fund.

\$5,000.00 - Park National Bank, Newark, Ohio, for Everett D. Reese and Park National Bank Fund for the Faculty of Finance.

\$5,000.00 - John J. Schiff, Jr., Cincinnati, Ohio, for Ohio State University Veterinary Alumni Student Scholarship Fund.

Gift-in-Kind

\$9,950.00 - Dr. D. A. Severino, Columbus, Ohio, 995 books.

Establishment of Named Funds

**Gamma Alpha Library Fund**

The Gamma Alpha Library Fund was established October 2, 1981, with gifts to The Ohio State University through The Ohio State University Development Fund from The Ohio State Gamma Alpha Association.

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Gamma Alpha Library Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

Income from the fund is to be used annually to purchase reference materials, such as books, journals, and microformatted materials, for the University Science Libraries, i.e., libraries of the Chemistry, Physics, Botany, Biological Sciences and Geology Departments. The available funds will be used in a manner that will benefit as equitably as possible all of the named libraries. Requisitions for such funds will be made in consultation with the librarians of the respective named libraries by the appropriate dean in cooperation with the University Director of Libraries.

Should the needs for these funds cease to exist, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the appropriate administrative official of the University who is then directly responsible for the University Libraries.

**Graduate Program in Hospital and Health Services Administration  
Excellence Endowment Fund**

A Graduate Program in Hospital and Health Services Administration (H.H.S.A.) Excellence Endowment Fund was established October 2, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni and friends of the program.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support and advance the Graduate Program in Hospital and Health Services Administration at the direction of the Executive Committee of the Alumni Association of the Graduate Program in Hospital and Health Services Administration.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the graduate program.

October 2, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change Name of Named Fund**

The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law Fund\*

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Professorships," which was subsequently modified March 3, 1972, and renamed "Endowed Professorships" and was modified further on May 5, 1978; and

WHEREAS gifts and pledges of gifts have been received from several individuals for the establishment of The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law; and

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates; and

WHEREAS at such time as the gifts reach a total of \$250,000, the annual income shall be used to provide support for the work of a distinguished scholar and teacher in the College of Law with appointment to The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship to be recommended to the Provost by the Dean of the College of Law, for approval by the Board of Trustees; and

WHEREAS the Professorship shall be known as "The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law" but should the name of the firm change or should the firm dissolve, separate or merge with another firm, the name of this professorship may be changed, in the sole discretion of the Dean of the College of Law, to a name most clearly coinciding with the original purpose of this endowment; and

WHEREAS there will be a period until this fund reaches the level necessary to endow a professorship, the income from the fund may, until that time, be used in the discretion of the Dean of the College of Law in such manner as will best serve the needs of the College of Law, including, but not limited to adding the income to this endowed fund or establishing a designated professorship; and

WHEREAS should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the College of Law:

**NOW THEREFORE**

**BE IT RESOLVED**, That "The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law Fund" be established in accordance with the wishes of the donors.

\*Formerly The Porter, Wright, Morris & Arthur Professorship in Law Fund.

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October 2, 1981 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS**

Resolution No. 82-33

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**FAWCETT CENTER FOR TOMORROW, INSTALLATION OF SMOKE DETECTORS**

Project: Provide smoke detectors for individual guest rooms, office and meeting room areas, and provide smoke detectors in elevator lobby areas to operate the elevators in the hotel section of Fawcett Center for Tomorrow.

Funding: Budget Account 885164

Estimated Project Cost: \$112,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-34

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

October 2, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**MASONRY REPAIRS (EXTERIOR) 1981 - PHASE II**

Description: Repair deteriorated masonry on Derby Hall, Graduate School, Orton Hall, McCracken Power Plant and Mathematics Building.

General Contract

Date Received:	August 18, 1981
No. of Bids:	3
Low Bid:	\$249,289.00
High Bid:	\$274,472.00
Estimate of Cost:	\$282,800.00
Awarded to:	Trisco System, Inc., Lima, Ohio
Total Contract:	\$249,289.00
Total Contingency Allowance:	\$ 6,566.09 which is 3 per cent of construction contract
Total Project Cost:	\$260,000.00
Funding:	Budget Account 885156

**ROOF REPLACEMENT - 1981, PHASE II**

Description: Restoration of roofing systems for the Dining Hall, Jay Cooke Residence (Castle) and Stone Cottage located on Gibraltar Island at Put-In-Bay, Ohio.

General Contract

Date Received:	September 9, 1981
No. of Bids:	3
Low Bid:	\$ 39,750.00
High Bid:	\$ 61,890.00
Estimate of Cost:	\$ 46,500.00
Awarded to:	RossLin Construction & Maintenance Co., Columbus, Ohio
Total Contract:	\$ 39,750.00
Total Contingency Allowance:	\$ 2,855.09 which is 7 per cent of construction contract
Total Project Cost:	\$ 45,000.00
Funding:	Budget Account 885155

October 2, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Upon motion of Mr. Berry, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT - COLUMBIA GAS OF OHIO, INC.**

Resolution No. 82-35

*Synopsis: Renewal of Easement for Columbia Gas of Ohio, Inc.*

WHEREAS the University on August 3, 1966 granted a fifteen-year easement to Columbia Gas of Ohio, Inc., for the purpose of installing a gas pipeline along the north side of Case Road; and

WHEREAS said easement expired August 2, 1981; and

WHEREAS the Department of Administrative Services has prepared the necessary legal instruments to renew said easement for a period of fifteen years; and

WHEREAS the appropriate University agencies have recommended that said renewal be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to execute the necessary instruments to provide for said easement renewal.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-36

RESOLVED, That the report on the University's Investment Portfolio, dated September 18, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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October 2, 1981 meeting, Board of Trustees

**REPORT BY PRESIDENT EDWARD H. JENNINGS**

President Jennings:

Mr. Chairman, I would just like to point out a few things. First of all, I would like to extend our thanks--my thanks--to OARDC, Dean Kottman, and their staff for providing these fine facilities for our meeting, and I do look forward to Dean Kottman and his staff giving us a tour of the OARDC facilities. I think an opportunity to come to what we hope legislatively will be a fully integrated part of Ohio State very shortly is a good opportunity. I also look forward, I think with the success of this, perhaps getting around the state much more and perhaps we might even be able to go to some of our other facilities outside Columbus even for Board meetings as that develops.

Just a comment. Yesterday afternoon the House by a two to one vote did pass the budget bill which is essentially with some exceptions the same budget bill that we have been talking about. I certainly commend the House for their activity there and for their recognition of the financial difficulties of not only Ohio State but all of higher education as well as primary and secondary education around the state. I think that if that bill now goes through the Senate, the major financial problems of this institution can be solved, but I want to emphasize that this bill, if it comes out of the Senate in its current status, is a bill that will essentially restore the cuts that were made last year and will provide for very, very little expansion in this institution, if any. Anything beyond the restoration would be simply to catch up as we understand the figures now. The bill, beyond the restoration, provides an additional \$4 million beyond the restoration of last year's initial budget so that you can see \$4 million out of a total budget of \$500 million is not a great expansion. And this will not eliminate the need for financial control and financial stringency, it will simply allow us to get us out of our worst problems with faculty salaries and tuition. That concludes my report.

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Thereupon the Board adjourned to meet Friday, November 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Vice Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 6, 1981

The Board of Trustees met at its regular monthly meeting on Friday, November 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J. Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

November 6, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J. Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

#### **ELECTION OF TREASURER**

Resolution No. 82-37

WHEREAS paragraph (B) of Rule 3335-1-02 of the Administrative Code provides for replacement of Board officers through election; and

WHEREAS a new University Treasurer was approved at the October 2, 1981 meeting:

NOW THEREFORE

BE IT RESOLVED, That James Lee Nichols be elected Treasurer of the Board of Trustees.

Upon motion of Mr. Smith, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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#### **RESOLUTIONS IN MEMORIAM**

Resolution No. 82-38

*Synopsis: Resolutions honoring the service of two of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

K. Kenney Crooks

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 18, 1981, of K. Kenney Crooks, Assistant Professor in the Department of Surgery, Division of Urology, Head of Section of Pediatric Urology.

November 6, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

**K. Kenney Crooks (contd)**

Dr. Crooks was born in Newport News, Virginia, in 1945 and lived in Virginia during his undergraduate years. He received the M.D. degree from the Medical College of Virginia in 1971 and interned at the Peter Bent Bingham Hospital in Boston, Massachusetts.

He became interested in genitourinary surgery, and after a two-year hiatus as a flight surgeon in Oklahoma, returned to train under Dr. George Prout at the Massachusetts General Hospital in Boston. While there, he was exposed to the innovative operative techniques of Dr. Hardy Hendren and chose to extend his training at Harvard Medical School in Pediatric Urology. He came to Columbus to join the faculty of The Ohio State University School of Medicine as an Assistant Professor in the Department of Surgery, Division of Urology, Head of Section of Pediatric Urology. He was board certified in 1980.

Dr. Crooks became recognized as one of the finest technicians of operative surgery in the Department of Surgery. He brought to Columbus a standard of care for the pediatric urology patient that had not been seen before, and his innovative surgeries helped to correct many of the tragic malformations seen in this group of patients.

He was an avid teacher of students, residents, and faculty. He brought a new level of academics to the urology service at Columbus Children's Hospital and this passed over to his literary endeavors. At his young age, he had published 24 articles or chapters. This month he was to have presented original work in Boston and Indianapolis.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Helen E. Dean

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 6, 1981, of Helen E. Dean, Professor Emeritus in the University Libraries.

Professor Dean was born in Manhattan, Kansas, on November 3, 1905. She received her B.S. degree in 1928 from Kansas State College, Manhattan, with a major in English literature and her B.S. degree in library science from the University of Illinois in 1929. From September 1929 until June 1930, she was Acting Reference Librarian at Lawrence College, Appleton, Wisconsin; and she was a Cataloger at the University of Missouri, Columbia, from September 1930 until July 1, 1946 when she came to The Ohio State University Libraries as a member of the Catalog Department. On July 1, 1959, she became Associate Cataloger, assuming the responsibilities of the second-in-command in the Catalog Department. Ms. Dean held the rank of Assistant Professor from July 1, 1959 until July 1, 1966 when she was promoted to the rank of Associate Professor.

Professor Dean held active memberships in major library organizations both on the national and local levels. These included the American Library Association, Association of College

November 6, 1981 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Helen E. Dean (contd)

and Research Libraries, Beta Phi Mu, The Ohio Valley Group of Technical Service Librarians, Missouri Library Association, and the Ohio Library Association. She was also a member of the American Association of University Professors and the Archaeological Institute of America. She also published in the professional library journals.

Professor Dean retired on December 1, 1971 with 25 years of fine, devoted and loyal service. She demonstrated her total commitment to the goal of excellence in the successful training of generations of new catalogers for The Ohio State University libraries.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**BUDGET SUMMARY (FOURTH QUARTER, 1980-1981)**

Resolution No. 82-39

*Synopsis: The fourth quarter summary report of the current funds budget is presented for review.*

WHEREAS the fourth quarter report of the current funds budget for the fiscal year ending June 30, 1981 is presented for review; and

WHEREAS the actual expenditures and commitments of the fourth quarter report are supported by adequate income; and

WHEREAS the variations in income represent primarily unanticipated increases in investment earnings, hospital patient volume, and grant and contract activity; and

WHEREAS the variances in expenditures represent less than one-half of one percent of budget estimates:

NOW THEREFORE

BE IT RESOLVED, That the budget report for the fourth quarter, including transfers to plant funds and transfers to endowment principal processed for the fiscal year 1980-81, be accepted.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

November 6, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
ACTUAL EXPENDITURES FOR 1980-81  
(IN THOUSANDS)

	Revised Budget June 11, 1981	Actual Expenditures/ Commitments
Columbus Campus		
Instruction and General		
Departmental Instruction and Research	\$173,937	\$172,265
Libraries	10,862	10,346
Other Academic Support	3,681	3,789
Sponsored Programs Administration	6,423	6,562
Student Services	10,150	9,844
Plant Operation	28,674	30,531
Institutional Support	19,654	20,262
Total Instruction and General	\$253,381	\$253,599
Sponsored Research		
Federally Sponsored Programs	\$ 37,618	\$ 37,586
Other Externally Sponsored Programs	9,988	9,594
Internally Sponsored Programs	534	742
Total Sponsored Research	\$ 48,140	\$ 47,922
Public Service		
University Hospitals	\$ 99,823	\$ 99,613
Cooperative Extension Service	22,206	22,504
Externally Sponsored Programs	15,473	15,095
Internally Sponsored Programs	5,309	5,265
Total Public Service	\$142,811	\$142,477
Student Aid	\$ 7,636	\$ 7,191

November 6, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
 1980-81 CURRENT FUNDS BUDGET  
 ACTUAL EXPENDITURES FOR 1980-81  
 (IN THOUSANDS) (contd)

	Revised Budget June 11, 1981	Actual Expenditures/ Commitments
Columbus Campus (contd)		
Auxiliaries		
Student Housing	\$ 24,261	\$ 24,784
Intercollegiate Athletics	10,625	11,471
University Bookstores	6,927	7,174
Student Health Service	2,781	2,762
Student Unions	2,939	3,148
Parking Facilities	2,823	2,841
University Airport	3,219	3,307
Fawcett Center for Tomorrow	1,714	1,832
Other	867	773
Total Auxiliaries	\$ 56,156	\$ 58,092
TOTAL COLUMBUS CAMPUS	\$508,124	\$509,281
Regional Campuses		
Administration	\$ 198	\$ 151
Lima Campus	2,679	2,608
Mansfield Campus	2,654	2,757
Marion Campus	1,575	1,684
Newark Campus	2,259	2,342
Agricultural Technical Institute	2,926	3,055
Wright-Patterson Graduate Center	98	103
TOTAL REGIONAL CAMPUSES	\$ 12,389	\$ 12,700
TOTAL ALL CAMPUSES	\$520,513	\$521,981
Construction and Renovation Projects	\$ 2,086	\$ 3,593
Endowment Income to Principal	\$ 350	\$ 751
GRAND TOTAL	\$522,949	\$526,325



November 6, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1980-81 CURRENT FUNDS BUDGET  
SOURCES OF INCOME TO SUPPORT 1980-81 BUDGET  
(IN THOUSANDS)

	Estimated Income June 11, 1981	Actual Income 1980-81
<b>Columbus Campus</b>		
<b>Government Appropriations</b>		
State of Ohio	\$164,388	\$164,407
Federal	68,925	69,241
Other	8,296	8,986
Subtotal	\$241,609	\$242,634
<b>Student Fees</b>		
Instruction and General	\$ 72,534	\$ 73,270
Room and Board	20,137	20,521
Other	3,654	3,621
Subtotal	\$ 96,325	\$ 97,412
<b>Other Income</b>		
Auxiliary Sales and Charges	\$122,991	\$132,008
Department and University Services	14,568	15,496
Endowment Income	4,676	5,054
Gifts and Grants	20,036	20,368
Temporary Investments	10,500	12,022
Subtotal	\$172,771	\$184,948
<b>TOTAL COLUMBUS CAMPUS</b>	<b>\$510,705</b>	<b>\$524,994</b>
<b>Regional Campuses</b>		
Lima Campus	\$ 3,029	\$ 3,192
Mansfield Campus	3,017	3,126
Marion Campus	1,814	1,959
Newark Campus	2,670	2,727
Agricultural Technical Institute	3,239	3,266
Wright-Patterson Graduate Center	98	103
<b>TOTAL REGIONAL CAMPUSES</b>	<b>\$ 13,867</b>	<b>\$ 14,373</b>
<b>GRAND TOTAL</b>	<b>\$524,572</b>	<b>\$539,367</b>

November 6, 1981 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81**

Account Description	Account Number	Transferred from Account Number	Amount
<b>Unexpended Plant Funds</b>			
Electric Expansion - West Campus	082011	010000	\$ (311.30)
Regents - Fixed Equipment	082034	010000	14,258.46
		059155	25,907.00
Cancer Center	082039	010000	105,087.59
		063976	147,852.00
Agronomy, Natural Resources, and Plant Pathology Building	082043	010000	75,000.00
Storage Barn - Moore Experimental Farm	082045	077723	14,414.00
Bulk Chemical Warehouse	082046	010000	560,000.00
Athletic Fields - Lights	082047	010000	306,530.00
Jesse Owens Plaza	082048	010000	25,000.00
Health Science Center Road	082049	010000	55,900.00
Eye Center	082050	025415	18,000.00
Sphinx Plaza	082051	036424	15,550.00
<b>Total Unexpended Plant Funds</b>			<b>\$ 1,363,187.75</b>
<b>Renewals and Replacements - Remodeling and Renovation</b>			
Dormitory Contingency Fund	085049	017200	\$ 887,283.00
Orton Hall Renovation	085066	010000	6,800.00
Public Safety Building	085067	010000	18,102.00
Parking Lot Repairs	085071	010000	6,938.00
		016007	437,888.00
Computer Design Lab	085072	010000	2,210.00
		036480	8,490.00
North Dormitories - Retrofitting	085088	017301	60,000.00
Sawtooth Replacement - Phase I	085090	010000	251,000.00
Parking Lot Repairs - Lima Campus	085095	010928	(1,100.00)
Galvin Hall	085096	010928	(14,627.00)
Sullivant Hall	085101	010000	(6,615.00)
Arena - Steam Line	085104	010000	(2,648.14)
St. John Arena - Lockers	085106	016019	198,822.30
Parks Hall	085107	022781	(3,797.00)
Dentistry Labs	085108	010000	(14.28)
Smith Lab	085110	010000	(2,130.00)
McPherson Chemical Lab	085111	010000	(5,678.00)
Foundry Glass Building	085113	010000	(1,573.00)
IRCC-CIS Computer Lab	085114	010000	(7,184.00)
Golf Course Dam	085115	016019	1,709.20
Orton Hall - Steps	085117	010000	56,500.00
Converse Hall - Archives	085118	010000	3,018.35
Galvin Hall - Game Room	085123	010928	(10,238.00)
Faculty Club - Improvements	085125	010000	2,842.00
Mendenhall Laboratory	085130	010000	(6,601.00)
Woodruff Avenue Widening	085132	010000	40,793.00
Hagerty Hall	085134	010000	56,536.00

**NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81 (contd)**

Account Description	Account Number	Transferred from Account Number	Amount
<b>Renewals and Replacements - Remodeling and Renovation (contd)</b>			
Caldwell Laboratory	085135	010000	\$ 40,000.00
McPherson Chemical Lab	085136	010000	28,714.00
Hitchcock Hall	085137	010000	31,405.00
B & Z Building	085138	010000	67,572.00
French Field House - Track	085139	016019	32,500.00
		036723	50,000.00
Hitchcock Hall	085140	010000	15,188.00
		022315	17,000.00
		033459	20,000.00
Ramseyer Hall	085141	010000	40,862.00
		057148	40,420.00
Hitchcock Hall	085142	010000	33,436.00
Mathematics Building	085143	010000	30,000.00
Brown Hall	085145	010000	30,829.00
Wiseman Hall	085146	021601	50,402.00
		023719	37,021.00
		027769	5,000.00
Medical Administration Center - Lobby	085147	010000	150,000.00
Twelfth and High - Intersection	085148	010000	10,000.00
Ohio Union - Steps	085149	010000	31,545.00
West Campus - Walks	085150	010000	17,000.00
Ninth Avenue Ramp	085151	010000	20,000.00
Newton Hall	085152	010000	110,000.00
McCracken Power Plant	085154	010000	66,000.00
Roofing Projects	085155	010000	556,700.00
Masonry Projects	085156	010000	112,500.00
Painting and Waterproofing Projects	085157	010000	154,200.00
HVAC Systems Rehabilitation Projects	085158	010000	181,000.00
McCracken Power Plant - Coal-Fired Boiler	085159	010000	100,000.00
Administration Building Basement	085161	010000	100,128.00
Hagerty Hall	085165	010000	81,723.00
Baker Systems Engineering Building	085166	010000	56,431.00
<b>Total Renewals and Replacements - Remodeling and Renovation</b>			<b>\$ 4,294,302.43</b>
<b>Reserves - Repairs and Replacements</b>			
Registration Services	086904	010000	\$ 17,040.65
Business and Administration	086905	010000	8,391.56
University Systems	086906	010000	(35,000.00)
Business Management	086907	010000	(11,872.00)
Physical Facilities	086909	010000	81,525.77
Police	086910	010000	11,444.00

November 6, 1981 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81 (contd)**

Account Description	Account Number	Transferred from Account Number	Amount
<b>Reserve - Repairs and Replacements (contd)</b>			
Traffic and Parking	086911	016007	\$ 50,362.00
Stores	086913	014001	34,650.00
Laundry	086914	014004	5,500.00
Office Equipment Repair	086915	014003	23,600.00
Printing Facility	086916	014002	315,850.00
Bookstore	086918	016003	70,600.00
Physical Facilities - Improvements	086920	014010	60,000.00
		014011	50,000.00
		014110	40,779.19
University Airport	086921	011541	17,723.52
		016014	66,613.75
Meats Laboratory	086922	011072	19,000.00
Fire Safety	086923	010000	8,200.00
Housing Commission No. 1	086924	016101	1,050.00
Housing Commission No. 2	086925	016102	4,700.00
University Properties	086926	016300	7,500.00
Endowment Properties	086927	016350	10,100.00
North Campus Apartments	086928	016390	2,050.00
Property Management	086929	016015	1,950.00
University Properties - Improvements	086930	016300	35,500.00
Endowment Properties - Improvements	086931	016350	10,000.00
North Campus Apartments - Improvements	018932	016390	3,600.00
Housing Commission No. 2 - Improvements	086934	016102	58,300.00
Drake Union	086935	016005	(32,558.00)
Bookstore - Improvements	086937	016003	58,000.00
Telecommunications	086938	010000	75,000.00
		059380	(10,083.00)
Internal Auditing	086944	010000	1,000.00
Learning Resources	086945	010000	25,000.00
Libraries	086948	010000	25,000.00
Fawcett Center	086952	010000	50,000.00
Inventory	086955	010000	1,200.00
Laundry Improvements	086956	014004	21,000.00
Alumni Information Service	086958	010000	20,326.00
Educational Services	086959	010000	100,000.00
Stadium Turf	086962	016019	100,000.00
Ohio Union - Improvements	086963	016020	73,000.00
Transportation	086964	014100	675,000.00
University Hospitals - Capital Equipment	086995	019000	4,560,000.00
Plant Funds - General	086999	010000	1,466,268.00
<b>Total Reserves - Repairs and Replacements</b>			<b>\$ 8,177,311.44</b>
<b>Total Non-Mandatory Transfers to Plant Funds</b>			<b>\$13,834,801.62</b>

November 6, 1981 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81 (contd)**

**RECAP**

	Account Range	Amount
Current General	010000	\$ 5,462,517.66
Current General - Regional Campuses	0109xx	(25,965.00)
Current General - Department Earnings	011xxx	36,723.52
Current General - Service Accounts	014xxx	1,226,379.19
Auxiliary Enterprises	016xxx	1,191,687.25
Residence and Dining Halls	017xxx	947,283.00
Hospitals	019xxx	4,560,000.00
Current Restricted - Endowment	02xxxx	123,626.00
Current Restricted - Development Fund	03xxxx	94,040.00
Current Restricted - Other	05xxxx	56,244.00
Current Restricted - OSURF	06xxxx	147,852.00
Endowment Principal	07xxxx	14,414.00
<b>Total</b>		<b>\$13,834,801.62</b>
Current Unrestricted - E & G		\$ 6,699,655.37
Current Unrestricted - Auxiliaries		2,138,970.25
Current Unrestricted - Hospitals		4,560,000.00
Current Restricted Funds		421,762.00
Endowment and Similar Funds		14,414.00
<b>Total Non-Mandatory Transfers to Plant Funds</b>		<b>\$13,834,801.62</b>

**TRANSFERS OF UNRESTRICTED ENDOWMENT INCOME TO PRINCIPAL  
Fiscal Year 1980-81**

Account Description	Account Number	Amount
General Endowment Fund	015001	\$ 2,558.37
The Corrugated Container Company Fund	015003	635.64
Robert C. Craig Memorial Fund	015004	443.38
Max M. Fisher Foundation	015006	1,033.87
Clara Ihrig Linhardt Memorial Fund	015015	9,683.73
M. Wilson McConnell Fund	015016	767.28
Smith L. Rairdon Fund	015022	611.49
E. A. VanVechten Memorial Fund	015025	539.54
Hazel C. Youngberg Memorial Fund	015027	1,244.07
Carl E. Steeb Memorial Fund	015028	585.67
Unrestricted Gifts--Principal	077435	\$ 18,103.04
Mershon Unrestricted Fund	015018	\$383,237.96
N. G. Fawcett Chair--Principal	072134	\$383,237.96
Mershon Unrestricted Fund	015018	\$350,000.00
H. & A. Enarson Professorship--Principal	071968	\$350,000.00
<b>GRAND TOTAL</b>		<b>\$751,341.00</b>

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November 6, 1981 meeting, Board of Trustees

**HONORARY DEGREES**

Resolution No. 82-40

*Synopsis: Approval is requested for awarding honorary degrees to six individuals.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Merritt Madison Chambers	Doctor of Humane Letters
W. Edwards Deming	Doctor of Science
Robert M. Lumiansky	Doctor of Humane Letters
Elmer B. Staats	Doctor of Humane Letters
Ferdinand Fairfax Stone	Doctor of Humane Letters
Barbara Tuchman	Doctor of Humane Letters

NOW THEREFORE

BE IT RESOLVED, That the above honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipients.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT**

Resolution No. 82-41

*Synopsis: Approval is being requested for awarding degrees and certificates for Autumn Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 11, 1981, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Dr. Jacob, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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November 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS**

Resolution No. 82-42

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leave of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 2, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leave of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

**Appointments**

Name: LARRY RICHARD THOMPSON  
Title: Special Assistant to the President (Temporary)  
Office: President's Office  
Salary: \$49,080.00 (12-month)  
Effective: November 9, 1981  
Present Position: Associate, Vorys, Sater, Seymour & Pease, Columbus, Ohio

Name: WELDON E. IHRIG  
Title: Acting Vice President  
Office: Finance and Planning  
Salary: \$49,200.00 (12-month)  
Effective: November 1, 1981  
Present Position: Assistant Vice President, Office of Business and Administration

Name: JUDITH B. WASHBURN  
Title: Acting Special Assistant to the President  
Office: President's Office  
Salary: \$49,080.00 (12-month)  
Effective: Immediately  
Present Position: Assistant Vice President, Office of Finance and Planning

Name: WARREN L. ROLLER  
Title: Professor and Chairman (45 per cent)  
Department: Agricultural Engineering  
Salary: \$22,410.00 (12-month)  
Effective: October 1, 1981  
Present Position: Professor and Acting Chairman, Department of Agricultural Engineering at The Ohio State University and the Ohio Agricultural Research and Development Center

November 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff Appointments**

**Effective January 1, 1981**

William Molnar, M.D.	Transfer from Attending staff in Radiology to Honorary staff	Professor Emeritus
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**Effective July 1, 1981**

J. Charles Garvin, M.D.	Courtesy staff in Ophthalmology	Clinical Assistant Professor
Theophil T. Sutton, M.D.	Courtesy staff in Preventive Medicine (Emergency Medicine)	Clinical Instructor
Beverly Johnson Nahman, M.D.	Limited staff in Radiology (Diagnostic)	Clinical Instructor H.S.

**Effective August 1, 1981**

Walter B. Hull, M.D.	Limited staff (Fellow) in Obstetrics and Gynecology	Clinical Instructor H.S.
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**Effective August 5, 1981**

Julian Bendelstein, M.D.	Limited staff in Family Medicine	Clinical Instructor H.S.
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**Effective August 10, 1981**

Richard P. Harmel, Jr., M.D.	Attending staff in Surgery (Pediatric Surgery)	Assistant Professor
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**Effective August 24, 1981**

Lawrence M. Lubbers, M.D.	Attending staff in Surgery (Orthopaedic Surgery)	Clinical Instructor
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**Effective September 1, 1981**

Bhagwandas Gupta, M.D.	Attending staff in Anesthesiology	Assistant Professor
Richard M. Rosenblatt, M.D.	Attending staff in Anesthesiology	Associate Professor
Carlos DeCarvalho, M.D.	Limited staff in Medicine (Neurology)	Clinical Instructor H.S.



November 6, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Leave of Absence Without Salary**

R. ERIC RENTSCHLER, Assistant Professor, Department of German, effective April 1, 1982 through June 30, 1982, to accept a Visiting Assistant Professor position at the University of California at Irvine.

**Professional Improvement Leaves**

EUGENE CAPRIOTTI, Professor, Department of Astronomy, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

DAVID J. HORN, Professor, Department of Entomology, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ROBERT H. MILLER, Professor, Department of Agronomy, effective Summer Quarter 1982, Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ROBERT T. ROSS, Professor, Department of Biochemistry, effective Autumn Quarter 1982, Winter Quarter 1983, Spring Quarter 1983, and Summer Quarter 1983.

MICHAEL KLAPPER, Associate Professor, Department of Chemistry, effective Spring Quarter 1982 and Autumn Quarter 1982.

JAMES MORGANSTERN, Associate Professor, Department of History of Art, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

D. L. PALMQUIST, Associate Professor, Department of Dairy Science, effective Spring Quarter 1982 and Summer Quarter 1982.

MARC LEE RAPHAEL, Associate Professor, Department of History, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

**Emeritus Titles**

SAMUEL W. BONE, Department of Agronomy, with the title Professor Emeritus, effective October 1, 1981.

THOMAS SKILLMAN, Department of Medicine, with the title Professor Emeritus, effective November 1, 1981.

CHESTER E. BALL, Department of Photography and Cinema, with the title Assistant Professor Emeritus, effective October 1, 1981.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-43

*Synopsis: The reports on contracts, grants, and gifts and the summary for September are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the month of September 1981, be approved.

Upon motion of Mr. Smith, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR SEPTEMBER 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	90	\$5,168,995.00
Engineering Experiment Station	39	312,099.00
		\$5,481,094.00
The Ohio State University Development Fund		
Establishment of Named Funds		
The William M. Batten Distinguished Visitor Fund (College of Administrative Science)		\$ 100,000.00

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR SEPTEMBER 1981**

**The Ohio State University Development Fund (contd)**

**Establishment of Named Funds (contd)**

The McGregor Fund Finance, Banking and Accounting Scholarship (Scholarships - College of Administrative Science)	\$ 50,000.00
Helen Sells Clarkson Memorial Scholarship (Colleges of Arts and Sciences or College of Agriculture and Home Economics)	\$ 45,000.00
The History Enrichment Fund (Department of History)	\$ 40,000.00
The C. B. "Bill" Smith Scholarship Fund in Civil Engineering (Department of Civil Engineering)	\$ 6,990.00
The Hilandar Research Project Endowment Fund (Library acquisitions, research and publications)	\$ 5,860.00
The Philip P. Poirier Memorial Fund (Department of History)	\$ 5,000.00

**Report from Presidents Club**

Members to date	4,503
1981 members: year to date	116
New members - September 1981	14

**New Presidents Club Members - September 1981**

David C. Bell  
John W. Berry  
Richard C. Bump  
James L. Coffey  
Joseph J. DeMelio  
Henry A. DiBlasio  
Chad I. Friedman

Nicholas Gerber  
Donald D. Glower, Sr.  
Laura S. Gunnels  
Allen L. Huneke  
William P. Krakoff  
Carl V. Leier  
Susan R. Paddock

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1981 through September 30, 1981

**OFFICE OF BUSINESS AND ADMINISTRATION**

Source	No. of Projects	Support Level
FEDERAL	6	\$ 155,493.00
STATE OF OHIO	7	2,756,936.11
OTHER NON-FEDERAL	1	10,000.00
GRAND TOTAL	14	\$2,922,429.11

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1981 through September 30, 1981

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	8	\$ 278,729.00
National Science Foundation	33	1,747,525.00
Department of Defense	18	676,362.00
Department of Energy	5	216,068.00
Department of Education	22	2,314,783.00
Department of Health and Human Services	50	4,648,283.00
Other Federal	24	2,558,823.00
TOTAL - FEDERAL	160	\$12,440,573.00
STATE OF OHIO	11	\$ 301,519.65
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	77	\$ 2,612,058.00
GRAND TOTAL	248	\$15,354,150.65

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1981 through September 30, 1981

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
STATE	3	\$ 207,992.00
INDUSTRIAL AND OTHER	112	1,017,913.00
GRAND TOTAL	115	\$1,225,905.00

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

**\$359,996.00** - Department of Education, Office of Vocational and Adult Education, Washington, D. C., Linking Community-Collaborative Comprehensive Programs of Career Guidance with Youth Education and Employment Initiatives, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 30 September 1983. (Project 762892 - New)

**\$350,930.00** - Department of Education, National Institute of Education, Washington, D. C., ERIC Clearinghouse on Adult, Career, and Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 14 September 1981 through 13 September 1982. (Project 762872 - Continuation)

**\$330,000.00** - National Science Foundation, Washington, D. C., Emergent Citizen Groups in Disaster Preparedness and Recovery Activities, Department of Sociology (E. L. Quarantelli), 15 September 1981 through 28 February 1983. (Project 762862 - New)

**\$238,986.00** - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Assessment of Rural Financial Markets in Honduras, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. H. Graham), 1 June 1981 through 30 June 1982. (Project 760927 - Continuation)

**\$226,105.00** - Environmental Protection Agency, Great Lakes National Program Office, Chicago, Illinois, Lake Erie Monitoring Program: Main Lake Water Quality and Cladophora, Center for Lake Erie Area Research (C. Herdendorf) and Department of Civil Engineering (R. Stiefel), 1 July 1981 through 31 December 1982. (Project 762280 - Continuation)

**\$207,767.00** - Department of Education, Office of Special Education, Washington, D. C., Adaptation of the Resource Version of the Career Planning System (CPS) for Use with Microcomputers, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 14 March 1983. (Project 762894 - New)

**\$197,000.00** - Department of Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center Support and Fellowships for Slavic and East European Studies, Department of Slavic and East European Languages and Literatures (L. I. Twarog) and Graduate School - Administration (J. B. LaPidus), 15 August 1981 through 14 August 1982. (Project 762823 - Continuation)

**\$162,676.00** - Department of Health and Human Services, Office of Human Development Services, Administrative Developmental Disabilities, Chicago, Illinois, UAF Administration and Operation, Nisonger Center for Mental Retardation (M. J. Guralnick), 30 June 1981 through 29 June 1982. (Project 760751 - Continuation)

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$150,250.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Centers and Fellowships Program - East Asia, University Center for International Studies (J. Adams), Department of Anthropology (C. M. Chen), and Graduate School - Administration (J. B. LaPidus), 15 August 1981 through 14 August 1982. (Project 762844 - Continuation)

\$135,449.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Upward Bound, Office of Minority Affairs (R. T. McDonald), 1 September 1981 through 31 August 1982. (Project 762324 - Continuation)

\$115,796.00 - Department of Justice, National Institute of Justice, Washington, D. C., Property Crime Victimization and Crime Prevention: A Study Among Farm Operators, Department of Agricultural Economics and Rural Sociology (J. F. Donnermeyer and G. H. Phillips), 1 September 1981 through 31 August 1983. (Project 762847 - New)

\$110,584.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Special Services Program for Disadvantaged Students, University College - Administration (M. A. Stewart), 1 September 1981 through 31 August 1982. (Project 762867 - New)

\$109,357.00 - Department of Education, Office of Special Education, Washington, D. C., Project Interaction, Academic Faculty for Exceptional Children (T. Heron and W. Heward), 1 September 1981 through 31 August 1982. (Project 761808 - Continuation)

\$90,000.00 - Department of Agriculture, Arlington, Virginia, Hypobiotic and Antigenic Changes in *Ostertagia Ostertagi* During Environmental Adaptation, Department of Veterinary Pathobiology (R. P. Herd), 1 September 1981 through 31 August 1983. (Project 762846 - New)

\$87,500.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Centers and Fellowships Program - Near and Middle East, University Center for International Studies (J. S. Adams), Department of History (S. Dale), and Graduate School - Administration (J. B. LaPidus), 15 August 1981 through 14 August 1982. (Project 762845 - Continuation)

\$83,542.00 - Department of the Army, Natick Research and Development Laboratories, Natick, Massachusetts, Feasibility and Means of Flavor Enhancement of Low Fat Dry Milk and Dry Whole Milk, Department of Food Science and Nutrition (D. B. Min), 1 September 1981 through 31 May 1983. (Project 762854 - New)



November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$80,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$62,682.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, The Neural Control of Temperature Regulation, Department of Physiology (J. A. Boulant), 1 September 1981 through 31 August 1982. (Project 761187 - Continuation)

\$60,500.00 - Department of Energy, SERI Site Office, Golden, Colorado, Solar University Research Program, Department of Biochemistry (E. L. Gross), 1 September 1981 through 31 August 1982. (Project 761812 - Continuation)

\$55,108.00 - National Aeronautics and Space Administration, Washington, D. C., Infrared Spectroscopic Investigation of Gases to Support Stratospheric Studies, Department of Physics (J. H. Shaw), 1 November 1981 through 31 October 1982. (Project 761420 - Continuation)

\$51,778.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1981 through 30 June 1982. (Project 761160 - Continuation)

\$50,000.00 - Department of Education, Office of International Education, Washington, D. C., The Ohio State-Purdue Russian Language Program at the Pushkin Institute in Moscow, USSR, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1981 through 15 April 1982. (Project 762822 - New)

\$49,997.00 - Department of the Navy, Naval Air Development Center, Warminster, Pennsylvania, On Aircraft Antennas, Department of Electrical Engineering, ElectroScience Laboratory (R. Rudduck), 17 September 1981 through 30 September 1982. (Project 762414 - Continuation)

\$48,506.00 - National Science Foundation, Washington, D. C., Microparticle Analysis and Glaciological Interpretation of the 500-m Ice Core, South Pole Antarctica, Institute of Polar Studies (D. H. Elliot, E. Mosley-Thompson, and L. Thompson), 1 October 1981 through 30 September 1982. (Project 762875 - New)

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$48,179.00** - National Science Foundation, Washington, D. C., Mt. Erebus, Antarctica, Seismic Study, Institute of Polar Studies (D. H. Elliot and P. R. Kyle), 1 September 1981 through 30 September 1982. (Project 762386 - Continuation)

**\$45,000.00** - National Science Foundation, Washington, D. C., Kirkpatrick Basalt Group, North Victoria Land, Antarctica, Institute of Polar Studies (D. H. Elliot and G. Faure), 1 September 1981 through 31 August 1982. (Project 762871 - New)

**\$41,032.00** - National Science Foundation, Washington, D. C. Microcomputer Control of Machine Tool Feed Drives, Department of Chemical Engineering (K. Srinivasan), 15 September 1981 through 28 February 1983. (Project 762809 - New)

**\$38,490.00** - Department of the Army, Army Corps of Engineers, Buffalo, New York, Lake Erie Watershed Reduced Tillage Practices, Department of Agronomy (B. L. Schmidt) and Cooperative Extension Service - State Operations (C. J. Cunningham), 1 July 1981 through 31 March 1982. (Project 762860 - Continuation)

**\$37,268.00** - Nuclear Regulatory Commission, Washington, D. C., Development of an in Situ Method for Testing of Neutron Sensors Used in Nuclear Power Reactor Protection Systems, Engineering Experiment Station (D. W. Miller), 30 September 1981 through 30 September 1982. (Project 762880 - New)

**\$36,245.00** - National Science Foundation, Washington, D. C., Characterization of Tegumentary Membrane-Bound Enzymes of Gastrointestinal Parasites, Department of Zoology (P. W. Pappas), 1 November 1981 through 31 October 1982. (Project 762358 - New)

**\$35,080.00** - Department of Education, Fund for the Improvement of Postsecondary Education, Washington, D. C., Cooperative On-Site Instruction Program for Columbus Business and Industry, Office of Academic Affairs, Continuing Education Administration (M. Garland and A. Adams), 1 September 1981 through 30 August 1982. (Project 762861 - New)

**\$33,750.00** - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Associated Health Professions, Hyattsville, Maryland, Graduate Programs in Health Administration, School of Allied Medical Professions (S. F. Loeb), 1 October 1981 through 30 September 1982. (Project 761329 - Continuation)

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$30,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Washington, D. C., Analysis of the Quelccaya Ice Cap Climate Record, Institute of Polar Studies (D. H. Elliot and E. M. Thompson), 1 September 1981 through 31 August 1982. (Project 762884 - New)

\$30,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of Low Cost Filler Materials for Welding High Strength Steels and Titanium Alloys, Department of Welding Engineering (D. G. Howden), 1 September 1981 through 31 August 1983. (Project 762890 - New)

\$28,300.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Models and Mechanisms of Acute Lung Injury After Shock, Department of Surgery (L. C. Carey and B. D. Lowery), 1 July 1981 through 30 June 1982. (Project 761744 - Continuation)

\$23,901.00 - Congressional Research Service, The Library of Congress, Washington, D. C., State Regulation of Natural Gas Utilities, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 18 September 1981 through 31 December 1981. (Project 762877 - New)

\$19,740.00 - National Science Foundation, Washington, D. C., Third International Symposium on Antarctic Glaciology, Institute of Polar Studies (D. H. Elliot) and College of Mathematical and Physical Sciences - Administration (C. B. Bull), 15 August 1980 through 31 January 1983. (Project 762361 - New)

\$18,297.00 - Department of Education, Office of Special Education, Washington, D. C., The Ohio State University Preservice Training Project for Special Education Personnel, Academic Faculty for Exceptional Children (P. Connard), 1 August 1981 through 31 May 1982. (Project 762853 - New)

\$18,000.00 - National Science Foundation, Washington, D. C., Gondwana Geology of the Falkland Islands, Institute of Polar Studies (D. H. Elliot), 1 September 1981 through 31 August 1982. (Project 762852 - New)

\$16,000.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, University Reactor Sharing Program, Engineering Experiment Station (B. K. Hajek), 1 September 1981 through 31 August 1982. (Project 762411 - Continuation)

\$15,808.00 - Department of Energy, Oakridge Operations, Oak Ridge, Tennessee, The Pre-Freshman Engineering Program (PREP), College of Engineering - Administration (M. M. McGee), 9 September 1981 through 31 August 1982. (Project 762881 - Continuation)

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$13,515.00 - Environmental Protection Agency, Cincinnati, Ohio, Round Robin Testing of the Midge (*Tanytarsus*) Acute and Chronic Toxicity Tests, Department of Entomology (W. J. Collins), 1 September 1981 through 1 February 1982. (Project 762849 - New)

\$13,196.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Mechanical Control and Energetics of Muscle Contraction, Department of Physiology (E. Bozler), 1 September 1981 through 31 August 1982. (Project 760924 - Continuation)

\$10,782.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Purchase of NMR Spectrometer for Core User Group, Department of Chemistry (D. Horton and L. J. Berliner), 1 September 1981 through 31 August 1982. (Project 761911 - Continuation)

\$9,995.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Artificial Trees as a Means of Increasing Populations of Primary Cavity Nesters in Clear-Cuts, Department of Zoology (T. G. Grubb, Jr.), 1 September 1981 through 30 August 1983. (Project 762863 - New)

\$9,950.00 - Department of Health and Human Services, Public Health Service, Communicable Disease Control, National Institute for Occupational Safety and Health, Cincinnati, Ohio, Development of an Interdisciplinary Course in Occupational Health Engineering, Department of Industrial and Systems Engineering (P. J. Smith and T. H. Rockwell), 10 September 1981 through 11 October 1982. (Project 762879 - New)

\$6,097.00 - National Science Foundation, Washington, D. C., Late Cretaceous and Early Tertiary Biogeography of the Southern Circum-Pacific, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 16 September 1981 through 31 December 1982. (Project 762348 - Continuation)

\$5,505.00 - Department of Education, Office of Special Education, Washington, D. C., Design for a Cooperative Program to Prepare Teachers of Visually Handicapped for the State of West Virginia, Academic Faculty for Exceptional Children (M. E. Ward), 1 August 1981 through 31 May 1982. (Project 762858 - New)

\$4,267.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Effects of Dietary Change on Lipid Biosynthesis, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1981 through 30 April 1982. (Project 764415 - Continuation)

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$2,500.00 - National Endowment for the Arts, Washington, D. C., The Logan Elm Press Arts-of-the-Book Continuing Workshop Program, Department of Art Education (K. A. Marantz), 1 July 1981 through 30 April 1982. (Project 762868 - New)

\$1,200.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for Agricultural Technical Institute, Wooster, University Libraries (G. Guthrie), 1 October 1981 through 30 September 1982. (Project 762874 - New)

\$1,200.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Marion Regional Campus, University Libraries (G. Guthrie), 1 October 1981 through 30 September 1982. (Project 762870 - New)

\$1,200.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Newark Regional Campus, University Libraries (G. Guthrie), 1 October 1981 through 30 September 1982. (Project 762873 - New)

\$629.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1980 through 30 June 1982. (Project 760708 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$4,009,635.00**

**State of Ohio Research Contracts/Grants**

\$21,800.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Graduate Training Program in Psychology, Department of Psychology (H. L. Mirels), 14 July 1981 through 30 June 1982. (Project 762865 - New)

\$16,500.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Graduate Training Program in Social Work, College of Social Work (R. O. Washington), 14 July 1981 through 30 June 1982. (Project 762864 - New)

\$6,437.00 - Ohio Youth Commission, Columbus, Ohio, Intern Training for Teaching Academic and Social Skills to Special Education Students, Academic Faculty for Exceptional Children (D. S. Hill), 1 July 1981 through 21 October 1981. (Project 762739 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 44,737.00**

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$207,328.00 - SRI, International, Menlo Park, California, Research Agenda on Studies of the Impact of Government-Sponsored JSA and Tax Subsidy Programs on Private Employers, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 31 December 1981. (Project 762882 - New)

\$131,141.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 1 September 1981 through 31 December 1981. (Project 760982 - Continuation)

\$89,481.00 - Hospital, Institution, and Educational Food Service Society, Hillside, Illinois, A Competency Assurance System for Dietetic Assistants and Dietetic Technicians, Academic Faculty of Educational Foundations and Research (A. G. D'Costa), 16 September 1981 through 30 June 1983. (Project 762876 - New)

\$71,610.00 - University of Michigan, Ann Arbor, Michigan, Genes on Mitochondrial DNA, Department of Genetics (P. S. Perlman), 1 July 1981 through 30 June 1982. (Project 761294 - Continuation)

\$61,965.00 - Control Data Corporation, Minneapolis, Minnesota, Analysis of Emerging Electronics - Related Occupations and Potential for CDC Program Development, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1981 through 31 December 1981. (Project 762561 - Continuation)

\$61,418.00 - Muscular Dystrophy Association, New York, New York, Clinical Investigation of Duchenne Dystrophy, Department of Medicine (J. R. Mendell), 1 July 1981 through 30 June 1982. (Project 761360 - Continuation)

\$52,609.00 - Teledyne Wah Chang Albany, Albany, Oregon, Nodular Corrosion of Zircalloys in High-Temperature Steam, Department of Metallurgical Engineering (D. D. Macdonald), 1 October 1981 through 30 September 1982. (Project 762848 - New)

\$43,156.00 - University of Cincinnati, Department of Orthopaedic Surgery, Cincinnati, Ohio, OSU Participation in NIH Grant No. R01 AM27517-02 Title "Bio-Mechanics of Ligament/Tendon Repair and Grafts," Department of Veterinary Clinical Sciences (R. B. Hohn and M. L. Olmstead), 1 August 1981 through 31 July 1982. (Project 762827 - New)

\$39,998.00 - State of Iowa, Department of Public Instruction, Des Moines, Iowa, Third-Party Evaluation of Four Area Planning Councils, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 28 February 1983. (Project 762855 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$35,000.00 - McDonnell Douglas Corporation, St. Louis, Missouri, Support Services for Electromagnetic Design of RAM/RAS and Non-Specular Scattering, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 4 September 1981 through 3 September 1982. (Project 762859 - New)

\$31,350.00 - University of California-Davis, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Producers, International Programs in Agriculture (H. D. Bauman) and Department of Agronomy (R. W. Van Keuren), 7 August 1981 through 30 September 1981. (Project 761949 - Continuation)

\$31,000.00 - State of Ohio, Department of Education, Columbus, Ohio, and Southern Illinois University at Carbondale, Carbondale, Illinois, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

\$31,000.00 - University of Tennessee, Knoxville, Tennessee, Ultrasonic Non-destructive Evaluation of Columnar Structures in Anisotropic Materials, Department of Welding Engineering (L. Adler), 15 March 1981 through 14 March 1982. (Project 762453 - Continuation)

\$30,000.00 - Adria Laboratories, Inc., Columbus, Ohio, Synthesis of Novel Anthracycline Glycosides, Department of Chemistry (D. Horton), 1 October 1981 through 30 September 1982. (Project 762866 - New)

\$25,662.00 - City of Columbus, Department of Community Services, Columbus, Ohio-Franklin County Consortium, Columbus, Ohio, Summer Youth Employment Program/Vocational Exploration Program, Office of Minority Affairs (R. T. McDonald), 25 June 1981 through 2 September 1981. (Project 762790 - New)

\$19,000.00 - City of Columbus, Department of Energy and Telecommunications, Columbus, Ohio, Assess District Heating/Cooling Systems Potential in Community Block Grant Eligible Institutions, School of Architecture - Administration and Department of City and Regional Planning (O. Fisch, S. I. Gordon, and K. T. Pearlman), 10 August 1981 through 9 August 1982. (Project 762850 - New)

\$16,500.00 - Florida International University, Miami, Florida, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus Ohio, The Potential Danger of *in Vivo* Acebutolol Decomposition, Department of Pharmacology (B. D. Andresen), 1 October 1981 through 30 September 1982. (Project 762843 - New)

\$15,000.00 - The George Gund Foundation, Cleveland, Ohio, Reflective Teaching Workshops, Academic Faculty of Educational Foundations and Research (D. R. Cruickshank), 1 July 1981 through 30 September 1982. (Project 762687 - New)

\$11,259.00 - Morris Animal Foundation, Englewood, Colorado, Cardiac Arrhythmias Associated with Gastric Dilatation-Volvulus in the Dogs: Etiology, Significance, and Therapy, Department of Veterinary Clinical Sciences (J. D. Bonagura), 1 August 1981 through 1 August 1982. (Project 762362 - Continuation)

\$11,000.00 - National Kidney Foundation of Central Ohio, Inc., Columbus, Ohio, The Primate Erythrocyte Immune Complex Clearance Mechanism, Department of Medicine (L. A. Hebert), 1 July 1981 through 30 June 1982. (Project 762857 - New)

\$10,000.00 - Morris Animal Foundation, Englewood, Colorado, The Epidemiology and Control of *Strongylus Vulgatis* - The Major Cause of Colic in Horses, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Clinical Sciences (A. A. Gabel), 1 August 1981 through 31 July 1982. (Project 762323 - Continuation)

\$9,779.00 - Arizona State University, Tempe, Arizona, Review of Proposed Educational Program and Facility Specifications for Phoenix, Arizona, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 October 1981. (Project 762835 - New)

\$9,670.00 - Citizen's Council for Ohio Schools, Columbus, Ohio, School Finance Project, Academic Faculty of Educational Administration (L. H. Wagstaff), 1 October 1980 through 30 June 1981. (Project 762878 - Continuation)

\$9,618.00 - Ohio Wesleyan University, Delaware, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 10 August 1981 through 25 June 1982. (Project 762838 - Continuation)

\$9,078.00 - Capital University, Columbus, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 1 September 1981 through 30 June 1982. (Project 762836 - Continuation)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$8,000.00 - TASC - The Analytic Sciences Corporation, Reading, Massachusetts, Navigation System Simulation, Department of Electrical Engineering, Electro-Science Laboratory (A. A. Ksienski), 1 September 1981 through 30 September 1981. (Project 762842 - New)

\$7,000.00 - Animatrix, Inc., Columbus, Ohio, Computer Generated Animation, Department of Art Education (C. A. Csuri), 1 September 1981 through 31 October 1981. (Project 762841 - New)

\$6,000.00 - American Cancer Society--Ohio Division, Cleveland, Ohio, *In Vitro* Differentiation of Hairy Cell Leukemia: A Model for Inductive Chemotherapy, Department of Pathology (R. F. Barth and W. C. Hooper), 1 October 1981 through 30 September 1982. (Project 762869 - New)

\$6,000.00 - American Cancer Society--Ohio Division, Cleveland, Ohio, Preneoplastic Mouse Mammary Lesion - A Tumor Precursor or Modulator, Department of Pathology (W. Z. Wei), 1 October 1981 through 30 September 1982. (Project 762888 - New)

\$5,001.00 - Ohio Dominican College, Columbus, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 24 August 1981 through 7 June 1982. (Project 762837 - Continuation)

\$2,000.00 - Battelle Memorial Institute, Columbus, Ohio, Alumina Tooth Implantation in Human Subjects, College of Dentistry - Crown and Bridge (R. H. Downes), 1 April 1980 through 15 October 1981. (Project 762315 - Continuation)

\$2,000.00 - Brevard Community College, Cocoa, Florida, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS \$1,114,623.00

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$50,938.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for second year of Evaluation of Sulfur-Asphalt Paving Mixtures in Ohio: A Laboratory and Field Investigation, Department of Civil Engineering, Transplex, May 1, 1981 through April 30, 1982. (EES 529070)

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**State Sponsored Research and Development (contd)**

\$41,568.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for second year of Evaluation of Asphalt Pavement Recycling in Ohio: A Laboratory and Field Investigation, Department of Civil Engineering, Transplex, September 4, 1981 through September 3, 1982. (EES 529079)

**TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$92,506.00**

**Industrial and Other Sponsored Research and Development**

\$36,000.00 - The Ohio State University, Office of Physical Facilities, Columbus, Ohio, for eighth year continuation of Study of Energy Conservation for University Buildings--Program 4244, Department of Mechanical Engineering, December 1, 1981 through June 30, 1982. (EES 529008)

\$183,593.00 - various sponsors for 36 development projects in seven engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$219,593.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$278,248.00 - James W. Overstreet Fund of The Columbus Foundation, Columbus, Ohio, for James W. Overstreet Cardiovascular Teaching Laboratory.

\$96,216.00 - Trust Under the Will of Glenna R. Joyce, Columbus, Ohio, for Glenna R. Joyce Scholarship Fund.

\$56,000.00 - Ohio Lions Eye Research Foundation, Jackson, Ohio--\$22,000.00 for Ohio Lions Blindness Research Fund; \$15,000.00 for Institute for Research in Vision; \$6,000.00 for Ohio Lions--King-Smith; \$5,000.00 for Ohio Lions--Hill; \$5,000.00 for Lions Research--Jones; and \$3,000.00 for Ohio Lions--Daum.

\$50,000.00 - Battelle Memorial Institute, Columbus, Ohio, for Battelle/Ohio State University Partnership in Engineering Education Fund.

\$42,983.00 - Eli Lilly and Company, Indianapolis, Indiana--\$18,983.00 for Clinical Pharmacology of Dobutamine-Eli Lilly and Company; \$18,000.00 for Infectious Disease Research Fund; and \$6,000.00 for Physiological Chemistry Research.

\$40,630.00 - Sterling-Winthrop Research Institute, Rensselaer, New York, for Cardiovascular Pharmacology Fund.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$40,000.00 - Charles W. Carroll, Burton, Ohio, for Presidents Club Special Fund.

\$38,900.00 - Dorsey Laboratories, Lincoln, Nebraska, for Clinical Pharmacology Fund.

\$31,416.00 - The Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$30,714.00 - Adria Laboratories, Columbus, Ohio, for Clinical Pharmacology Fund.

\$29,391.28 - Reproductive Research and Education Association, Columbus, Ohio, for EPR-OBS Fund.

\$25,254.00 - The Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.

\$25,000.00 - The Union Fork and Hoe Foundation, Columbus, Ohio, for George B. Durell Memorial Scholarship Fund.

\$17,318.75 - Hoffmann-LaRoche, Inc., Nutley, New Jersey, for Clinical Pharmacology Fund.

\$17,000.00 - The City Loan and Savings Company, Lima, Ohio, for WOSU Support Fund.

\$17,000.00 - The Standard Oil Company, Cleveland, Ohio--\$7,500.00 for College of Administrative Science Fund; \$7,000.00 for Sohio Chemical Engineering Fund; and \$2,500.00 for Affirmative Action Program in Engineering Fund.

\$15,090.00 - Laborers' District Council of Ohio, Columbus, Ohio, for Peter Fosco/Laborers' District Council of Ohio Scholarship Fund.

\$15,000.00 - Trust Under the Will of William A. Buente, Chicago, Illinois, for College of Medicine Progress Fund.

\$15,000.00 - Westinghouse Educational Foundation, Pittsburgh, Pennsylvania, for Lamme Power Systems Laboratory.

\$15,000.00 - Wyeth Labs, Philadelphia, Pennsylvania, for Anesthesia Research and Education Enhancement Fund.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$14,188.82 - Systems Associates, Inc., Columbus, Ohio (given in the names of Phillip K. Fulkerson, M.D., Donald V. Unverferth, M.D., Thomas M. Bashore, M.D., Carl V. Leier, M.D., and David C. Bell, M.D.), for Cardiology Support Fund.

\$14,000.00 - Kellogg's, Battle Creek, Michigan, for Special NC-151 Fund.

\$13,970.00 - Eastman Kodak Company, Rochester, New York--\$8,030.00 for Kodak Fellows Program; \$4,140.00 for Kodak Scholars Program in Engineering Fund; \$750.00 for Electrical Engineering Chairman's Discretionary Fund; \$450.00 for Department of Chemical Engineering Support Fund; \$300.00 for The ISE Advancement Fund; \$150.00 for Department of Computer and Information Science Chairman's Discretionary Fund; \$150.00 for I. G. Brenner Fund for Engineering.

\$12,500.00 - Landmark, Inc., Columbus, Ohio, for Landmark-OARDC.

\$11,808.22 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,378.00 - National Action Council for Minorities, New York, New York, for Affirmative Action Program in Engineering Fund.

\$10,225.00 - SISA, Incorporated, Cambridge, Massachusetts, for Clinical Pharmacology Fund.

\$10,104.86 - Department of Ohio Ladies' Auxiliary Veterans of Foreign Wars, Columbus, Ohio, for Cancer Research Center Fund.

\$10,000.00 - Abbott Laboratories, North Chicago, Illinois, for Antibiotic Research Rotary.

\$10,000.00 - Coopers & Lybrand Foundation, New York, New York, for Coopers & Lybrand Scholars Program.

\$10,000.00 - Janssen R & D, Inc., New Brunswick, New Jersey, for EPR-OBS Fund.

\$9,500.00 - Gertrude Kenney Fund of The Columbus Foundation, Columbus, Ohio, for Professional Training in the Visual Arts Scholarship Fund.

\$9,300.00 - American Foundation for Pharmaceutical Education, for American Foundation for Pharmaceutical Education Fellowship Fund.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

**\$9,193.83** - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

**\$8,450.00** - Union Carbide, New York, New York, for Agronomy Weed Research Fund.

**\$7,500.00** - Amoco Foundation, Chicago, Illinois--\$6,000.00 for Distinguished Teachers Awards Fund and \$1,500.00 for University Emergency Fund.

**\$7,200.00** - American Cyanamid Company, Pearl River, New York, for Cancer Research Center Fund.

**\$7,000.00** - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

**\$7,000.00** - Rohm and Haas Company, Philadelphia, Pennsylvania, for Rohm and Haas Company Fund in Chemistry.

**\$6,150.00** - Ohio Expositions Commission, Columbus, Ohio, for Ohio 4-H Foundation Support Fund.

**\$6,000.00** - Kubota, Ltd., 2-22 Funadecho, Naniwaku, Osaka, Japan, for Kubota, Ltd. Research Fund.

**\$5,500.00** - The General Foods Fund, Inc., White Plains, New York, for General Foods Fund Fellowship in Home Economics.

**\$5,075.00** - Frederick P. Zuspan, M.D., Columbus, Ohio, for EPR-OBS Fund.

**\$5,000.00** - Ciba-Geigy Corporation, Greensboro, North Carolina, for Agronomy Weed Research.

**\$5,000.00** - Columbus and Southern Ohio Electric Company, Columbus, Ohio, for Ohio Electric Utility Institute Fellowship Fund.

**\$5,000.00** - The Danis Foundation, Inc., Dayton, Ohio, for Civil Engineering Construction Operations Simulation Laboratory Fund.

**\$5,000.00** - General Electric Foundation, Stamford, Connecticut, for Affirmative Action Program in Engineering Fund.

**\$5,000.00** - George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation for Enology and Viticulture.

November 6, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts-in-Kind

\$12,000.00 - Mrs. Maureen Sturtz, Columbus, Ohio, Quarter Horse Gelding, Bo Barr Cliff No. 744703.

\$5,666.67 - Julie Rubenbauer, Loveland, Ohio, Quarter Horse Gelding, Macho Malaci.

Establishment of Named Funds

The William M. Batten Distinguished Visitor Fund

The William M. Batten Distinguished Visitor Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Texas Instruments Foundation, Dallas, Texas, to honor the achievements of William M. Batten.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal is to be used to improve mutual learning, understanding and respect between academic and management communities, by facilitating and supporting visits by distinguished executives to the College of Administrative Science and The Ohio State University.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then responsible for curricula in administrative science.

The McGregor Fund Finance, Banking and Accounting Scholarship

The McGregor Fund Finance, Banking and Accounting Scholarship was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the McGregor Fund, Detroit, Michigan.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal is to be used to provide scholarships for students in finance, banking, accounting and related fields. The selection of the recipients shall be made upon the recommendation of the Scholarship Committee of the College of Administrative Science.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The McGregor Fund Finance, Banking and Accounting Scholarship (contd)**

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for curricula in administrative science.

**Helen Sells Clarkson Memorial Scholarship**

The Helen Sells Clarkson Memorial Scholarship was established November 6, 1981, by the Board of Trustees of The Ohio State University with a gift from the estate of Helen Sells Clarkson, B.A. '14.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

Income from the scholarship fund shall be used to benefit students who are pursuing majors in the natural sciences in the College of the Arts and Sciences or the College of Agriculture, Home Economics and Natural Resources. The selection of the recipient(s) is to be made upon the recommendation of the University Scholarship Committee.

Should the need for these funds cease to exist, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the appropriate administrative official of the University who is then directly responsible for studies in the natural sciences.

**The History Enrichment Fund**

The History Enrichment Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with an anonymous gift to The Ohio State University Development Fund.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to support research activities in the Department of History; to support an annual graduate fellowship prize for the best history seminar paper; and to provide discretionary funds for the Department of History to support excellence in teaching, departmental social obligations, the search for additional enrichment funds, and as well to publicize the scholarly activities of the Department.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The History Enrichment Fund (contd)**

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for training students in history.

**The C. B. "Bill" Smith Scholarship Fund in Civil Engineering**

The C. B. "Bill" Smith Scholarship Fund in Civil Engineering was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of C. B. "Bill" Smith.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded to an Ohio resident who is a graduate student in structural engineering. Recipients will be determined by the established procedures within the Department of Civil Engineering.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Engineering.

**The Hilandar Research Project Endowment Fund**

The Hilandar Research Project Endowment Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from: (1) individuals and institutions concerned with the preservation and dissemination of Serbian and Slavic culture and the heritage of Orthodoxy which are embodied in the microfilm copies of manuscripts from Hilandar Monastery and other repositories of Slavic manuscripts currently housed in the Hilandar Room in the Main Library, and (2) other friends of the Hilandar Room.

It is understood that the name Hilandar will be used in perpetuity to designate the facility which houses the collection of manuscripts on microfilm from the Hilandar Monastery on Mount Athos, Greece. Donors to the endowment fund will be designated as "Friends of the Hilandar Room."



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Hilandar Research Project Endowment Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to facilitate scholarship and to disseminate the results of that scholarship throughout this hemisphere and on a worldwide basis. Specifically, the income will be used for library acquisitions, research, publications, and clerical and administrative support in keeping with an annual budget approved by a University Advisory Council for the Hilandar Research Project. Requisitions for the use of these funds will be initiated by the Director of the Hilandar Research Project and approved by the Dean of the College of Humanities.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for Slavic studies.

**The Philip P. Poirier Memorial Fund**

The Philip P. Poirier Memorial Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the friends and family of Professor Philip P. Poirier who served as Professor of British history from 1952 until his death in February 1979. Professor Poirier was best known for his prize-winning book on the British Labour Party and for his rigorous and stimulating classes on modern British history.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be awarded to one or more graduate students enrolled in the Department of History to support their travel abroad when working on a doctoral dissertation in some area of British history. Each year the Poirier Memorial Travel Fund award will be announced by the Department of History. Applications will be solicited from graduate students. Applications will be evaluated by an appointed committee and recipients will be informed by the Department Chairperson. Awards need not be made each year and are made at the discretion of the Committee and the Department Chairperson.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for training students in history.

November 6, 1981 meeting, Board of Trustees

**REQUEST FOR ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

**ENERGY MODIFICATIONS - LINCOLN AND MORRILL TOWERS**

Resolution No. 82-44

*Synopsis: Employment of engineering firm and request for construction bids pending finalization of funding from the United States Department of Education's College Housing Energy Conservation Loans.*

WHEREAS The Ohio State University has been selected by the U. S. Department of Education to receive funding under the College Housing Program for 1981; and

WHEREAS this funding will provide for energy conservation modifications through Energy Retrofit for Morrill Tower and Lincoln Tower; and

WHEREAS the total project costs for both towers are \$522,800 with \$497,800 to be a low interest (three percent) loan from the U. S. Department of Education and \$25,000 will be provided by The Ohio State University General Dormitory Fund and/or Housing Commission 3; and

WHEREAS several energy conservation measures will be accomplished, i.e., damper and return air modifications, time clocks installed for air systems and night shutdown of heating, ventilating and air conditioning systems, lighting modifications, heat recovery unit will be provided for preheating of water for the domestic hot water system and these modifications will provide excellent payback provisions which are estimated at one year four months:

**NOW THEREFORE**

**BE IT RESOLVED**, That the Vice President for Business and Administration be authorized to proceed to select a qualified engineering firm for this project in conjunction with the Department of Administrative Services; and that the fees for these engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

**BE IT FURTHER RESOLVED**, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts with all actions to be reported to this Board at the appropriate time; and

**BE IT FURTHER RESOLVED**, That all final actions related to the award of engineering contracts for each of these projects will be dependent upon final funding by the United States Department of Education.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REQUEST FOR ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

**ENERGY MODIFICATIONS - PRINTING FACILITY  
AND UNIVERSITY HOSPITAL (ECM 5 AND 6)**

Resolution No. 82-45

*Synopsis: Employment of engineering firms and request for construction bids pending finalization of funding from Federal and local University sources.*

WHEREAS The Ohio State University has been selected by the Department of Energy to receive funding under Cycle III of the Department of Energy's Federal Institutional Grants Program; and

WHEREAS this grant will provide fifty percent funding for energy modification projects for the University Hospital, known as ECM-6, and the Printing Facility, known as ECM-5; and

WHEREAS fifty percent for each project will be funded from the Federal Department of Energy and fifty percent from University Hospital funds and Printing Facility local funds with the total project costs being \$115,208 for the University Hospital and \$105,770 for the Printing Facility:

**NOW THEREFORE**

**BE IT RESOLVED**, That the Vice President for Business and Administration be authorized to proceed to select a qualified engineering firm for each project in conjunction with the Department of Administrative Services; and that the fees for these engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

**BE IT FURTHER RESOLVED**, That the Vice President for Business and Administration be authorized to proceed to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts with all actions to be reported to this Board at the appropriate time; and

**BE IT FURTHER RESOLVED**, That all final actions related to the award of engineering contracts for each of these projects will be dependent upon final funding by the Department of Energy and the Printing Facility and University Hospital.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**TREASURER'S BOND**

Resolution No. 82-46

*Synopsis: Treasurer's Bond is being proposed pursuant to Section 3335.05 of the Ohio Revised Code.*

WHEREAS Section 3335.05 of the Ohio Revised Code requires that the Treasurer of The Ohio State University give bond to the State of Ohio in such sum as the Board of Trustees determines; and

WHEREAS the Board of Trustees has determined that a bond of \$3,000,000 per incident will be adequate protection for the probable amount that realistically will be under the Treasurer's control in any one year:

NOW THEREFORE

BE IT RESOLVED, That the bond of James Lee Nichols, Treasurer of The Ohio State University, as required by Section 3335.05 of the Ohio Revised Code, be set at \$3,000,000.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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President Jennings requested Mr. Redman to present the following resolution:

**EXPRESSION OF GRATITUDE TO WILLIAM E. VANDAMENT**

Resolution No. 82-47

WHEREAS, Dr. William E. Vandament served The Ohio State University with distinction from 1976 to 1981 as Executive Assistant to the President, Director of Budget and Resources Planning, and Vice President for Finance and Planning; and

WHEREAS, Dr. Vandament's service has been exemplary in helping Ohio State cope with difficult budgetary problems; and

WHEREAS, Dr. Vandament's expertise in grasping complex financial issues, and his skill in communicating these issues to this Board, to the University's administration, and to its faculty, staff, and students have been of the highest caliber; and

WHEREAS, Dr. Vandament is held in high personal regard throughout the University as a reflection of his open managerial style, his positive attitude, and his warm personality; and

WHEREAS, Dr. Vandament has left Ohio State after his years of distinguished service to accept the important professional advancement of becoming Senior Vice President for Administration at New York University:

**EXPRESSION OF GRATITUDE TO WILLIAM E. VANDAMENT (contd)**

**NOW THEREFORE**

**BE IT RESOLVED**, That it is the wish of this Board to recognize Dr. Vandament at the time of his departure from service at The Ohio State University;

**BE IT FURTHER RESOLVED**, That this Board wishes to make public and plain its deep and sincere appreciation for Dr. Vandament's contributions to the continued fiscal health of the University;

**BE IT FURTHER RESOLVED**, That this Board wishes to express how keenly Dr. Vandament's professional talents and personal presence on this campus will be missed;

**BE IT FURTHER RESOLVED**, That this Board wishes to thank Dr. Vandament for his years of devoted service, which have immeasurably benefited The Ohio State University, by directing that this expression of gratitude be inscribed upon the minutes of the Board of Trustees;

**BE IT FURTHER RESOLVED**, That a copy of this resolution shall be forwarded to Dr. Vandament with our best wishes for his every success as he continues his career at New York University.

Mr. Redman moved that the foregoing resolution be adopted which was seconded by Dr. Jacob.

Mr. Devenow:

I don't think this motion needs any discussion. We're all indebted to Dr. Vandament for a great job he did here at the University, and with that I will ask for those in favor.

The foregoing resolution was approved by unanimous voice vote.

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Mr. Devenow: Mr. President, you have one more item?

**COMMENTS BY PRESIDENT JENNINGS**

President Jennings:

Yes, Mr. Chairman. At the September Board meeting, as you know we began a process of college preparatory requirements for conditional/unconditional admittance. And at that time, we wanted to do it pending a review by the Attorney General's office. That review has taken place. The Attorney General's office has responded to us in writing that the 1958 opinion issued by the Attorney General at that time is still applicable to the conditional/unconditional proposal that we made in September, and in that context, the legal issues there I would consider closed. Thank you.

--o--

November 6, 1981 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-48

RESOLVED, That the report on the University's Investment Portfolio, dated October 16, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, December 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

APPENDIX II

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

December 11, 1981

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## Commencement Speaker

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### Simon Dinitz

A professor of sociology who is considered one of the foremost criminologists in the world today, Simon Dinitz has been honored repeatedly by his peers for his influential research in mental illness, crime, juvenile delinquency, and violent behavior. His book on schizophrenia, one of 14 he has written, is credited with the movement which brought schizophrenics out of mental hospitals and into functional lives in the community. It was for this work that he was awarded the 1967 Hofheimer Prize for Research from the American Psychiatric Association.

More recently Dr. Dinitz became the first Ohio State professor to have won both the University's Alumni Award for Distinguished Teaching (1970) and its

Distinguished Research Award (1979). Nominations for these awards are made by students and professional colleagues and reflect the high regard of the entire academic community.

Dr. Dinitz is a native of New York City and received the bachelor of arts degree, magna cum laude, from Vanderbilt University in 1947. He received the master of arts in 1949 and the Ph.D. in 1951, both from the University of Wisconsin. He has been a faculty member at Ohio State since 1951.

His accomplishments exemplify the scholarly excellence of the University's faculty and their dedication to the University's mission of teaching, research, and service. The Ohio State University is honored to have Simon Dinitz address the graduates of the 278th Commencement.



## Recipients of Honors

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### **Merritt Madison Chambers** Doctor of Humane Letters

A longstanding and ardent supporter of public higher education, M. M. Chambers has been teaching and doing scholarly research for more than a half-century. He has been the mentor of thousands of students. In the course of his distinguished career, he has written 35 books and monographs and some 400 published articles. Known for his expertise in higher education finance and law, he has, for nearly 25 years, collected, analyzed, and circulated statistics on support by the fifty states for higher education. His staunch advocacy of public higher education is best expressed by one of his often-quoted statements: "The public value of universal access to higher education is incalculable. It is the most productive possible long-term investment for public funds, for dollar return, and for the intangible benefits to society." The Ohio State University is pleased to honor its alumnus, Merritt Madison Chambers, for his invaluable contributions to public higher education.

### **Jack O. Evans** Distinguished Service Award

The hearts of Ohio State University's friends have thrilled as Jack O. Evans filled this campus with music. As director of the University's Activities Band, the Buckeye Scarlet Band, Military and Marching Band, he has kindled the friendship and spirit that are Ohio State. As professor of trombone, he is known throughout the country as a distinguished teacher. During his many years of service, his dedication to this institution has continued to grow. Even after retirement, he has sought out and counseled students who have become part of the Ohio State musical tradition.

As professor emeritus, he organized the Alumni Marching Band, a group unique to the annals of college marching bands. Alumni throughout this country and Europe are a tribute to the excellence of this widely respected scholar and teacher. For one who has given so much to the University, it is fitting that Ohio State now sings his praises.

### **John A. Prior** Distinguished Service Award

The medical career of Dr. John A. Prior has brought honor and credit both to himself and to this University. An alumnus of this institution, he provided academic and administrative leadership to the College of Medicine for more than 40 years. Serving in the ranks from instructor to director of the Pulmonary Disease Division to dean of the College of Medicine, Dr. Prior through his expertise has given strength to the medical program here. Others as well have recognized his contributions to Ohio State. The recipient of a University Distinguished Teaching Award and an Alumni Achievement Award, he was also voted Man of the Year in the College of Medicine. Through his scientific publications and other writings, he has advanced the study of medicine far beyond this institution. Ohio State University has been well served by the contributions of this noted physician.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Philosophy

Hossein Abolmoulouki, Tehran, Iran; B.S. M.S.; *Electrical Engineering*; Dr. Richard M. Campbell

Girmai Abraham, Asmara Eritrea, Eritrea; B.S. (Haile Selassie University); M.S.; *Agricultural Economics and Rural Sociology*; Dr. D. Lynn Forster

Ben Sola Adeyemi, Ado-Ekiti, Ondo, Nigeria; B.A. (University of Ife); M.A.; *Physical Education (Health Education)*; Dr. Ralph C. Bates

Robert A. Akins, Savannah, Ga.; B.A. (Wittenberg University); *Microbiology*; Dr. Thomas J. Byers

Mustafa Mohamed Abdel Monem Gad Aly, Cairo, Egypt; B.Sc. (Cairo University); M.Sc. (University of Windsor); *Civil Engineering*; Dr. Kamran Majidzadeh

Dana Dewitt Anderson, Huntsville, Ala.; B.A. (Antioch College); M.A.; *Psychology*; Dr. Andrew J. Schwebel

Catherine Ann Baird, Pittsburg, Kans.; B.A. (Kansas State College); M.A.; *Economics*; Dr. Wilford L. L'Esperance III

Frank Joseph Barone, Athens, B.Met.E. (Rensselaer Polytechnical Institute); M.B.A.; *Education*; Dr. William W. Wayson

Michael Lynn Beitzel, New Philadelphia; B.A. (College of Wooster); M.Ed. (University of Cincinnati); *Physical Education*; Dr. Charles L. Mand

Timothy Lee Best, Lima; B.S., M.A.; *Education*; Dr. Donald R. Bateman

Joyce Haignere Brannan, Columbus; B.S., M.A.; *Health Education (Physical Education)*; Dr. Mary K. Beyrer

Utsaba Chaudhuri, Gauhati Assam, India; B.S. (Assam Agricultural University); M.S. (Punjab Agricultural University); *Agronomy*; Dr. Paul R. Henderlong

Chih-ming James Chen, Taipei, Taiwan, R.O.C.; B.S., M.S. (National Taiwan University); *Pharmacy*; Dr. Sylvan G. Frank

Gerald Patrick Chubb, Xenia; B.S., M.A.; *Industrial and Systems Engineering*; Dr. Richard A. Miller

Kuei-Nan Douglas Chung, Yun-Lin, Taiwan; B.A. (Soochow University); M.S.W. (West Virginia University); M.A.; *Social Work*; Dr. Joseph J. Parnický

Robert John Contolini, Columbus; B.S. (Case Western Reserve University); *Chemistry*; Dr. C. Weldon Mathews

John Dudley Corrigan, Columbus; B.A. (New College); M.A.; *Psychology*; Dr. Lyle D. Schmidt

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- Glenn Phillip Roulette, Los Angeles, Calif.; B.A. (Southwest Texas State University); *History of Art*
- Mark Andrew Runkle, Powell; B.S.E.P.; *Business Administration*
- Demetra M. Sarri, Thessaloniki, Greece; B.A. (Aristotelian University); *Classics*
- Stephen Randolph Saunders, Galena; *Political Science*
- Jayne Ellen Schachter, Plainview, N. Y.; B.S. (Cornell University); *Psychology*
- Zuliha Schirg, Westerville; B.A. (Otterbein College); B.S.Ed.; *Education*
- Karen Benson Schwanekamp, Westerville; B.S.; *Education*
- Susan Elizabeth Scott, Willoughby Hills; B.S. (Miami University); *Communication*
- Cheryl Glenn Seitz, Marion; B.S.Ed.; *Education*
- Robin Lynn Seymour-Hicks, Ashtabula; B.S.S.W., M.S.W.; *Public Administration*
- Rhonda Lee Shary, Columbus; B.A.; *English*
- Vincent John Sheehan, Columbus; B.S. (John Jay College); *Education*
- James Simmons, Jr., Middletown; B.G.S. (Kent State University); *Black Studies*
- Sharon Sue Sims, Columbus; B.S.Ed.; *Education*
- Jennifer Lynne Slagle, Worthington; B.S. (Miami University); *Communication*
- Nicole Gnezda Smith, Worthington; B.F.A. (Ohio Wesleyan University); *Art Education*
- Patricia Ann Smith, Ashland; B.A.; *Psychology*
- William Dean Smith, Cridersville; B.S., B.F.A., B.Mus., B.A.; *Interdisciplinary: History of Art, Dance, Music, and Theatre*
- AnilKumar Daniel Solanki, Ahmedabad, India; B.D. (Union Biblical Seminary); M.Th. (United Theological College); *Education*
- James Randolph Sprague, Columbus; B.A. (University of Delaware); *Political Science*
- Vicki Triffon Steger, Columbus; B.S. (Ashland College); *Education*
- Julie Patricia Stets, Niles; B.S.Ind.Des.; *Art Education*
- Margaret Sue Strefze, Worthington; B.S.N. (University of Tennessee); *Physical Education (Health Education)*
- Louis Tijerina, San Antonio, Tex.; B.A. (Saint Mary's University); *Psychology*
- Mary Ellen Anderson Tyus, Columbus; B.S.Ed.; *Education*
- Vicki Sue Vernick, Lansing, Mich.; B.A. (Michigan State University); *Communication*
- Tanasak Wahawisan, Bangkok, Thailand; B.A. (Chulalongkorn University); *Political Science*
- Wanda Brunette Walden, Louisville, Ga.; B.S. (Morris Brown College); *Education*
- Michael French Walker, Iowa City, Iowa; B.A. (Albion College); *Physical Education*
- Cynthia Russell Wanamaker, Columbus; B.A. (University of Toledo); *Education*
- Carlton Norman Weber, Worthington; B.Mus.Ed. (Capital University); *Music*
- Delores D. Moore Webster, Columbus; B.S.; *Education*
- Paul Richard Weishampel, Avon Lake; B.A.; *Anthropology*
- Jay Neil Weitz, Columbus; B.A. (University of Pennsylvania); M.L.S. (Rutgers University); *Education*
- Debora Wellmes, Grove City; B.A.; *Communication*
- Cheryl Jean Wierman, Blue Island, Ill.; B.M.E. (Illinois Wesleyan University); *Music*
- Vida Meadows Wilhelm, Worthington; B.A.; *Education*
- Martha Ann Wilson, Montpelier; A.B. (Wittenberg University); *Education*
- Michael Stuart Witter, Columbus; B.A. (Miami University); *Education*
- Annie Mary Wong, Kowloon, Hong Kong; B.S. (The Defiance College); *Music*
- Lou Ann Workman, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Christopher Joseph Zahn, Dayton; B.A.; *Communication*
- Joel Leon Zureick, Columbus; B.S.; *Psychology*

## Master of Business Administration

Md. Amin Ajalil, Malaysia; B.B.A. (Ohio University); *Business Administration*

Demetrios Alevizopoulos, Columbus; B.S. (DePauw University); M.S.; *Business Administration*

Charles S. Bath, Columbus; B.S. (Miami University); *Business Administration*

Bruce Joel Belinky, Youngstown; B.S. (University of Arizona); *Business Administration*

Michael Edward Bosway, Springfield, Ill.; B.A. (University of Dayton); *Business Administration*

James Michael Brennan, Columbus; B.S.; *Business Administration*

Robert L. Buenger, Ottoville; B.B.A. (Ohio University); *Business Administration*

Mary Lou Burns, Cleveland; B.A. (Cleveland State University); *Business Administration*

Dianna Kay Kimble Cellantani, Columbus; B.S.; *Business Administration*

Layne Edward Cochran, Lancaster; B.B.A. (Cleveland State University); *Business Administration*

William John Deckman, Mayfield; B.S., M.A.; *Business Administration*

Debra Kaye Evans, Lima; B.S.Bus.Adm.; *Business Administration*

Thomas William Fields, Westlake; B.S. (Mount Saint Mary's College); *Business Administration*

Patrick Joseph Fiorelli, Pickerington; B.B.A. (Ohio University); *Business Administration*

Douglas Lee Kauffman, Columbus; B.S.Bus.Adm.; *Business Administration*

Edward Howard Kloboves, Fowler; B.B.A. (University of Cincinnati); *Business Administration*

Judith Ellen Knechtges, Grafton; B.S.Pharm. (Ohio Northern University); M.H.A.; *Business Administration*

Robert Gervase Koenig, Jr., Cincinnati; B.S. (Miami University); M.Acc.; *Business Administration*

Frederick Richard Kruse, Columbus; B.S.Bus.Adm.; *Business Administration*

Laura Ann Labno, Palos Hills; B.A., M.A. (University of Illinois); *Business Administration*

Lawrence James Larsen, Jr., Randolph, N. J.; B.A.; *Business Administration*

Douglas Raymond Malcolm, Canton; B.S.Bus.Adm.; *Business Administration*

Peter Michael McHugh, New Hyde Park, N. Y.; B.S. (University of Dayton); M.C.R.P.; *Business Administration*

Tom Edward Moormann, Columbus; B.A., M.A. (Cornell University); *Business Administration*

Jerome Frederick Mossbarger, Jackson; B.S. (U.S. Military Academy); *Business Administration*

Hayden Scott Noble, Galion; B.S.; *Business Administration*

Vijay-Kumar Sankaran Puducher, Madras, India; B.Tech. (University of Madras); *Business Administration*

Alfredo Sotomayor Ramos, Gabo Rojo, P. R.; B.S.B.A. (University of Puerto Rico); *Business Administration*

Steven Joseph Ruhe, Ottawa; B.S. (Miami University); *Business Administration*

David Luther Sauerman, Philadelphia, Pa.; B.A. (Wittenberg University); *Business Administration*

Craig Robert Sedoris, Springfield; B.S., B.A.; *Business Administration*

Robert Brandt Shepherd, Bay Village; B.S. (Miami University); *Business Administration*

Phillip Wendell Shoemaker, Columbus; B.B.A. (Eastern Kentucky University); *Business Administration*

Gregg Arthur Spieth, Napoleon; B.S. (Miami University); *Business Administration*

Robert John Szambelan, Detroit, Mich.; B.S. (Wayne State University); *Business Administration*

Surendra Nath Tiwari, Sasaram, India; B.Sc. (Bhagalpor University); M.S.; *Business Administration*

Harry Haralambos Totonis, Columbus; B.S.Bus.Adm.; *Business Administration*

Jen-Lin Tu, Taichung, Taiwan, R.O.C.; B.Com. (National Cheng-Chi University); *Business Administration*

Joseph Melvin Vallo, Minster; B.S.; *Business Administration*

Frederic Stoneman Vorce, Columbus; B.A. (Dartmouth College); *Business Administration*

Janet Karen Ransom Warton, Columbus; B.A., B.S.Ed., M.A. (University of Southern California); *Business Administration*

Kartono Widjaja, Medan, Indonesia; B.S.B.A. (Boston University); *Business Administration*

William S. Williams, Columbus; B.A. (Duke University); *Business Administration*

Suehng Ying, Taipei, Taiwan, R.O.C.; B.S., M.B.A. (National Cheng Kung University); *Business Administration*

## Master of City and Regional Planning

Stephen Richard Chaney, Indianapolis, Ind.; B.S. (Purdue University); *City and Regional Planning*

Mitra Afsaneh Farokhpay, Tehran, Iran; B.S.Arch., M.Arch.; *City and Regional Planning*

Alfred Frederick Hunter, Florence, S. C.; B.S. (Allen University); *City and Regional Planning*

Stephen Paul Kotvis, Milwaukee, Wis.; B.A. (Park College); *City and Regional Planning*

Szu-Fu Ma, Taipei, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); M.S.; *City and Regional Planning*

William Tracy Rogers, Newark; B.S.; *City and Regional Planning*

Ali Sadeghi, Tehran, Iran; B.S.Arch., M.Arch.; *City and Regional Planning*

Murari Jayantilal Shah, Bombay, Maharashtra, India; B.Arch. (Indian Institute of Technology); M.Arch.; *City and Regional Planning*

Kathleen Kamp Shaw, Columbus; B.A. (DePauw University); *City and Regional Planning*

Patuan Parluhutan Simatupang, Jakarta, Indonesia; Sarjana Muda Teknik, Sarjana Planologi (Institut Teknologi Bandung); *City and Regional Planning*

## Master of Fine Arts

Richard John Balabuck, Saskatoon, Saskatchewan, Canada; B.F.A. (University of Saskatchewan); *Art*

Christy Lee Barker, Columbus; B.A.; *Theatre*

Sharon J. Barnebey, Columbus; B.A. (Miami University); *Theatre*

## Master of Humanities

Judith Merkle Fertig, Columbus; B.A. (Wittenberg University); *Humanities*

Joan Samia Smith, Steubenville; B.S. (West Liberty State College); *Humanities*

## Master of Labor and Human Resources

Amy Shepherd Brubaker, Columbus; B.S.B.A. (Franklin University); *Labor and Human Resources*

Paul Joseph DiFranco, Parma; B.A. (Baldwin-Wallace College); *Labor and Human Resources*

Paula Davis Raghuraman, West Chester; B.A., M.A. (University of Kentucky); *Labor and Human Resources*

Ada Bell Siekmeier, Columbus; B.S.; *Labor and Human Resources*

## Master of Music

Sylvia Hummel, Brick Town, N. J.; A.B. (Vassar College); *Music*

Barbara Gail Stadelman, Lexington, Ky.; B.Mus.; *Music*



## Master of Science

- Mark Steven Ackerman**, Columbus; B.A. (University of Chicago); *Computer and Information Science*
- Jane Flemm Altman**, Columbus; B.S.N. (University of Pittsburgh); *Nursing*
- Moh. Nazih Alyagshi Eilouch**, Damascus, Syria; B.Sc. (Damascus University); *Civil Engineering*
- Muhammad Arshad**, Punjab, Pakistan; B.Sc. (University of Engineering and Technology); *Electrical Engineering*
- Kojo Assan, Salipond**, Ghana; B.Sc. (University of Ghana); *Agricultural Economics and Rural Sociology*
- Douglas Mackay Austin**, Upper St. Clair, Pa.; B.A. (Denison University); *Natural Resources*
- Sherif Fathy Ayoub**, Cairo, Egypt; B.Sc. (Cairo University); *Civil Engineering*
- Jonathan Scott Bagby**, Grand Rapids, Mich.; B.S.E.E. (Michigan State University); *Electrical Engineering*
- Bruce Edwin Bailey**, Rootstown; B.S.Agr.; *Agronomy*
- Philip Chamunorwa Bamu**, Harare, Zimbabwe; B.Tech. (Indian Institute of Technology); *Civil Engineering*
- Cheryl Elizabeth Battle**, Kinston, N. C.; B.S. (Hampton Institute); *Nursing*
- Deborah Keyser Bauder**, Zanesville; B.S.N. (University of Cincinnati); *Nursing*
- Parvin Bayat**, Iran; B.S. (Girls College of Iran); *Horticulture*
- Theresa Maurine Becker**, Alton, Iowa; B.S. (Mount Marty College); *Nursing*
- Efat Beladi**, Shiraz, Iran; B.S. (Pahlavi University); *Chemistry*
- Enrico Sayoc Belen**, Greenhills, Philippines; D.D.M. (University of the East); *Dentistry*
- Robert Edward Bender**, Prospect; B.S.Agr.; *Agricultural Education*
- Patricia Louise Bethel**, Steubenville; B.A. (West Liberty State College); *Nursing*
- David Paul Boerschlein**, Columbus; B.A. (Wittenberg University); *Mathematics*
- Susana Ackerman Bogler**, Caracas, Venezuela; B.S.; *Microbiology*
- Ardis Marie Bolstad**, Columbus; B.S. (The University of Kansas); *Allied Medical Professions*
- Bret Lloyd Boman**, Columbus; B.S.M.E.; *Nuclear Engineering*
- David Louis Braun**, Columbus; B.S.C.I.S.; *Computer and Information Science*
- George W. Broughton**, Marietta; B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Nancy Reger Broughton**, Geneva; B.S.H.E.; *Home Economics*
- Patricia Ann Brown**, Pickerington; B.S.N. (Marycrest College); *Nursing*
- Karen Suzanne Bruns**, Celina; B.S. (University of Dayton); *Home Economics*
- Beverly Ann Bur**, Mansfield; B.S. (Miami University); *Allied Medical Professions*
- George Edward Carver**, Columbus; B.S., M.A. (University of New Mexico); *Physics*
- Richard Michael Casey**, Commerce City, Colo.; B.S. (Colorado State University); *Zoology*
- Shih-Gee Esther Chia**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Botany*
- Danny D. Chu**, Taipei, Taiwan, R.O.C.; B.S. (Soochow University); M.S. (National Tsing Hua University); *Mathematics*
- Randall Mark Cooper**, Kalamazoo, Mich.; B.A. (Valparaiso University); *Entomology*
- Sharon Butz Cowen**, Columbus; B.S.H.E.; *Home Economics*
- Robin Dale Cox**, Columbus; B.S.; *Agricultural Economics and Rural Sociology*
- Robert Edward Cushman**, Rochester, N. Y.; B.A. (State University of New York at Geneseo); *Computer and Information Science*
- Penelope Louise Daniels**, Huntington, W. Va.; B.S., B.S.N. (Marshall University); *Nursing*
- Wayne Steven Davis**, Chicago, Ill.; B.Sc. (Northeastern Illinois University); *Environmental Biology*
- Daniel Edward Drexler**, Akron; B.S. (University of Notre Dame); *Industrial and Systems Engineering*
- Carl Edwin Engelman**, Lawton, Okla.; B.S. (Cameron College); *Chemistry*
- Susan Wilke Enouen**, Columbus; B.S.M.E.; *Mechanical Engineering*
- Guillermo Estrada**, Bogota, Colombia; Ingeniero de Sistemas y Computacion (Universidad Los Andes); *Computer and Information Science*
- John David Evans**, Columbus; B.S.Nat.Res.; *Natural Resources*
- Beth Arline Ewing**, Cleveland; B.S.I.S.E.; *Industrial and Systems Engineering*
- Aly El-Sayad Ahmed Farag**, Mit Ghmr, Mansoura, Egypt; B.S., Biomedical Eng., Diploma (Cairo University); *Biomedical Engineering*
- Rebecca Ann Fazi**, Weirton, W. Va.; A.B. (West Liberty State College); *Home Economics*
- Michael Lee French**, Winterville; B.S.E.E. (Ohio University); *Biomedical Engineering*
- Karen-Rae Friedman**, Beachwood; B.S. (The American University); *Home Economics*
- Thomas Richard Frigge**, Piqua; B.S.Rest.Mgt.; *Home Economics*
- Wendy C. Goldstein**, Columbus; B.S.; *Home Economics*
- Patricia Fisher Graves**, Columbus; B.S.Nurs.; *Nursing*
- Debra Lynn Griest**, Hilliard; *Natural Resources*
- Daurice Ann Grossniklaus**, Whitehall; B.S.Nurs.; *Nursing*
- Kunj Bihari Gupta**, Bikaner, Rajasthan, India; B.Tech. (Banaras Hindu University); *Ceramic Engineering*
- Nancy Alice Heaslip**, Cortland, N. Y.; B.A. (State University of New York at Geneseo); *Zoology*
- Nancy Griffin Hedden**, Lakeview, Oreg.; B.S. (Oregon State University); *Home Economics*
- Daniel Nelson Heer**, Columbus; B.S.E.E.; *Electrical Engineering*
- Joseph Benjamin Henry, Jr.**, Baldwinville, N. Y.; B.S. (LeMoyn College); *Chemistry*
- Dan Seymoure Hickman**, Reynoldsburg; B.S.; *Animal Science*
- Caroline Dee Himes**, Upper Arlington; B.S.; *Agricultural Economics and Rural Sociology*
- Li-hua Oliver Ho**, Taichung, Taiwan, R.O.C.; B.S. (Tungshai University); *Chemistry*
- David Arthur Holdford**, Chicago, Ill.; B.S.Pharm. (University of Illinois Medical Center); *Pharmacy*
- Helen Elaine Holmes**, South Hill, Va.; B.A. (Shaw University); B.S. (North Carolina State University); *Chemical Engineering*
- Timothy Jay Holt**, Brinkhaven; B.S.Bus.Adm.; *Agricultural Economics and Rural Sociology*
- Francis John Holtzhauser**, Columbus; B.S.; *Preventive Medicine*
- Philip Scott Honsinger**, Athens; B.A. (Northeastern University); M.S., Ph.D. (Ohio University); *Computer and Information Science*

- Ronnie Douglas Horner, Toledo; B.Sc., M.A. (The University of Toledo); *Preventive Medicine*
- Michael Chuan-Wen Hsieh; B.Arch. (Tamkang College); *Civil Engineering*
- Shih-Hsiung Hsu, Kaohsiung, Taiwan, R.O.C.; B.Arch. (Chung Yuan Christian College of Science and Technology); *Civil Engineering*
- Ulpiano Pineda Ignacio, Jr., Guagua, Pampanga, Philippines; B.S. (University of the Philippines); *Civil Engineering*
- Robert Wilson Indian, Columbus; B.A.; *Preventive Medicine*
- Michael A. Ivie, Modesto, Calif.; B.S. (University of California—Davis); *Entomology*
- Andrew John Jacobs, West Homestead, Pa.; B.A. (Saint Vincent College); *Preventive Medicine*
- Barbara L. Jaffe, Columbus; B.S. (University of Pittsburgh); *Preventive Medicine*
- Norma May Keefer, Shelby; B.S.N. (Wright State University); *Nursing*
- Philip Keller, Basel, Switzerland; *Physics*
- Kristen Wright Kennedy, Delaware; B.S.; *Allied Medical Professions*
- Liang Chun Ker, Taipei, Taiwan, R.O.C.; B.S.E. (National Cheng Kung University); *Civil Engineering*
- Elizabeth Mann Kibler, Mobile, Ala.; B.S. (Stetson University); B.S. (University of South Alabama); *Geology and Mineralogy*
- Sandra Jean Kindig, Massillon; B.S. (Bowling Green State University); *Home Economics*
- Michael Lynn Kissinger, Delaware; B.S.; *Agricultural Education*
- Noreen Noriko Koga, Honolulu, Hawaii; B.S.H.E. (University of Hawaii); *Home Economics*
- Thomas Frank Konst, Green Springs; B.S.Agr.; *Agricultural Education*
- Frank Joseph Kosnik, Jr., South Euclid; B.A. (Case Western Reserve University); *Chemistry*
- Tina Marie Kravetz, Vestaburg, Pa.; B.S. (Pennsylvania State University); *Chemistry*
- Kuo-Fang Ku, Taipei, Taiwan, R.O.C.; B.E. (Chung Yuan Christian College of Science and Engineering); M.S.; *Civil Engineering*
- Dianne Celeste Kulasa, Elyria; B.S.Nurs.; *Nursing*
- Si-Cheng Kung, Taipei, Taiwan, R.O.C.; B.S. (National Cheng Kung University); *Metallurgical Engineering*
- John Joseph Labosky, Newton Falls; B.S. (Case Western Reserve University); *Electrical Engineering*
- Stephen John LaFlamme, Amherst, N. H.; B.S. (Worcester Polytechnic Institute); *Nuclear Engineering*
- Mark Anthony Lamantia, Toronto; B.S.M.E.; *Mechanical Engineering*
- Theodore Alan Lang, Woodville; B.S.M.E.; *Mechanical Engineering*
- David Alan Lauzau, Strongsville; B.S.I.S.E.; *Industrial and Systems Engineering*
- Ann Elizabeth Leary, Little Compton, R. I.; B.S. (Providence College); *Poultry Science*
- Fred Douglas Leckie, Jr., Columbus; B.S. (University of Miami); *Natural Resources*
- Eun Young Lee, Seoul, Korea; B.E., M.E. (Yonsei University); *Engineering Mechanics*
- Jay-Hyun Lee, Seoul, Korea; B.S. (Rutgers College); *Electrical Engineering*
- Teresa Katharine Lewandowski, South Bend, Ind.; B.S. (John Carroll University); *Computer and Information Science*
- Stuart Alan Lewis, Cincinnati; B.S.; *Mathematics*
- John T. Li, Maywood, N. J.; B.S. (Tunghai University); M.S.C.S. (University of Dayton); *Electrical Engineering*
- Chang-Chih Lin, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Animal Science*
- Daniel Alan Lindsay, Van Wert; B.S.C.E.; *Civil Engineering*
- Jer-Sheng Liou, Hsin-Ying Tainan, Taiwan, R.O.C.; B.S. (National Chung-Hsing University); *Chemistry*
- Chiu Chi Lo, Kowloon, Hong Kong; B.S.C.E. (West Virginia University); *Civil Engineering*
- Richard Carl Lorenz, Columbus; B.A. (Miami University); *Environmental Biology*
- Paul Duncan MacDougal, Columbus; B.S. (University of North Carolina—Chapel Hill); *Computer and Information Science*
- Robert Edwin Magee, Columbus; B.S.E.E.; *Electrical Engineering*
- Joel Warren Massmann, Desher; B.S.C.E.; *Civil Engineering*
- Duane Loren Mattern, Bay Village; B.S.M.E.; *Mechanical Engineering*
- Rita Carol Mayfield, Danville, Ky.; B.S. (Kentucky State University); *Home Economics*
- Jennifer Burnham McHugh, Painesville; B.S. (Mount Union College); *Plant Pathology*
- Nora Luellen McKenzie, Marion, Ark.; B.S. (University of Arkansas at Pine Bluff); *Home Economics*
- John William Means, Jr., Cleveland; B.S.; *Zoology*
- David Raymond Meredith, Powell; B.S.M.E. (Ohio Northern University); *Mechanical Engineering*
- Glenn Ray Meyer, Hillsboro, Kans.; B.A. (University of Kansas); *Computer and Information Science*
- David John Millhouse, Flint, Mich.; B.A. (Michigan State University); *Industrial and Systems Engineering*
- Wisik Min, Seoul, Korea; B.S. (Seoul National University); *Electrical Engineering*
- Mark Robert Moldovan, Youngstown; B.S.M.E.; *Mechanical Engineering*
- Kevin Keith Moorhead, Findlay; B.A. (Warren Wilson College); *Agronomy*
- Brian Terrence Murphy, Detroit, Mich.; B.S. (Michigan State University); *Mathematics*
- Ahmad Muhammad-Ali Mustafa, Nablus, Jordan; B.Sc. (Monoufia University); *Electrical Engineering*
- Subha Narasimhan, India; M.S. (Indian Institute of Technology); *Physics*
- Stephen Wayne Nichols, Granville; B.S.; *Entomology*
- Shirley Jean Noble, Carrollton; B.S.; *Allied Medical Professions*
- Kofi Boadi Nyamaah, Kumasi, Ghana; B.S. (University of Science and Technology); *Agricultural Economics and Rural Sociology*
- Lauren Beth Opremcak, North Olmsted; B.S.; *Microbiology*
- Daniel Warner Parke, Wauseon; B.S.; *Food Science and Nutrition*
- Mary Jo Perley, Westerville; B.S.N. (Texas Christian University); *Nursing*
- Alan William Peterson, Cuyahoga Falls; B.A. (Columbia College); *Zoology*
- Christopher John Picone, Solon; B.S.I.S.E.; *Industrial and Systems Engineering*
- Susan Claire Punsel-Engeseth, Gahanna; B.S.N. (University of Wisconsin—Madison); *Nursing*
- S. Hanumanth Rao, Bombay, India; B.Tech. (Banaras Hindu University); M.S.; *Welding Engineering*
- Christopher Ervin Reid, Columbus; B.S.; *Mathematics*

Michael Angelo Rocazella, Cleveland; B.S.Met.E.; *Metallurgical Engineering*

Ronald Charles Roposh, Pittsburgh, Pa.; B.S.E.E.; *Computer and Information Science*

Mark Edward Ross, Youngstown; B.S. (Youngstown State University); *Mathematics*

Jay Alan Schrier, Cincinnati; A.B. (Washington University); *Pharmacy*

Carolyn Sue Wilcox Sechnick, Lisle, Ill.; B.A. (Miami University); *Zoology*

Joong Ho Shin, Seoul, Korea; B.E. (Yonsei University); *Mechanical Engineering*

Jan-Ping Shu, Taipei, Taiwan, R.O.C.; B.S.E. (National Taiwan University); *Electrical Engineering*

Angela Maria Sierra-Moreno, Medellin, Colombia; Bacteriologist and Clinical Laboratorist (Colegia Mayer de Cultura Femenina de Antioquia); *Pathology*

Nancy Lynn Silva, New Bedford, Mass.; B.A. (Southeastern Massachusetts University); *Physiology*

Ann Copeland Smith, Worthington; B.S.N.; *Nursing*

Jong-Mei John Song, Taipei, Taiwan, R.O.C.; B.S. (Tunghai University); M.A. (State University of New York at Oneonta); *Chemical Engineering*

Christine Spivey, Alliance; B.S.N. (Ball State University); *Nursing*

Jaeson Lee Stafford, Canton; B.S. (Wayne State University); *Allied Medical Professions*

Denise Stage, Nelsonville; B.S.N.; *Nursing*

Gunnar Stefansson, Akureyri, Iceland; B.Sc. (University of Iceland); *Statistics*

Billie Monroe Stevens, Jr., Columbus; B.S.E.E.; *Electrical Engineering*

Gaik Choo Teh, Penang, Malaysia; B.A. (Denison University); *Botany*

Laura Jean Thomas, Middleburg Heights; B.S.; *Mathematics*

Joseph Brian Thompson, Birmingham, Ala.; B.S. (University of Alabama—Birmingham); *Metallurgical Engineering*

Abraham Joseph Tobia, Lakewood; B.S.; *Pathology*

Kevin Lynn Trimpe, Columbus, Ind.; B.A., B.A. (Indiana University); *Microbiology*

Vicki Ellen Tripodi, Columbus; B.S.N.; *Nursing*

Sheng-Jy Jerry Tsao, Taichung, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); *Engineering Mechanics*

Amy Lynn Sorensen Vangeloff, Toledo; B.A. (Ohio University); *Chemical Engineering*

Daniel Thomas Voss, Maineville; B.Sc. (University of Dayton); *Statistics*

David George Vutetakis, Canton; B.S.Ch.E.; *Chemical Engineering*

Loretta Ann Warren, Normal, Ill.; B.S. (Illinois State University); *Natural Resources*

Renate Ingrid Warren, Dayton; B.A. (Otterbein College); *Chemical Engineering*

Clark Jay Weaver, Dayton; B.S.; *Atmospheric Sciences*

Mary Louise Weaver, Worthington; B.S. (Indiana University of Pennsylvania); *Home Economics*

Jye Wen, Taipei, Taiwan, R.O.C.; B.S. (Fu Jen Catholic University); *Food Science and Nutrition*

Paul Allen Wesebaum, Richardson, Tex.; B.S. (Valparaiso University); *Mechanical Engineering*

Mark Wietecha, Grand Blanc, Mich.; B.S. (Grand Valley State College); *Pharmacy*

Karl Lawrence Wilker, Maineville; B.S.; *Agronomy*

Roger Allen Williams, Columbus; B.S.; *Natural Resources*

Charles Ray Wiseman, Columbus; B.S.Agr.; *Agricultural Education*

Deborah Denese Womack, Greensboro, N. C.; B.S. (North Carolina Agricultural and Technological State University); *Home Economics*

Susan Agler Wright, Prospect; B.S.; *Entomology*

Cheng-Shiung Jesse Wu, Tainan, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Mathematics*

John Alex Wynstra, Westerville; B.S.; *Horticulture*

Ching-Sheng Yang, Tao-Yuan, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Civil Engineering*

Irene Young, Panama City, Panama; A.B. (Fairfield College); *Agricultural Economics and Rural Sociology*

Mohsen Zarean, Shahreza, Iran; B.S. (West Virginia Institute of Technology); *Civil Engineering*

Robert J. Zellmer, Fairborn; B.S. (Wright State University); *Chemistry*

Kim William Zerby, Millersburg, Pa.; B.S. (The Pennsylvania State University); *Chemistry*

## Master of Social Work

Michael Lee Brown, Chillicothe; B.S.; *Social Work*

Stephen Paul Kotvis, Milwaukee, Wis.; B.A. (Park College); *Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:  
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Vice Provost for the Arts and Sciences:  
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College of Biological Sciences

College of Humanities

College of Mathematical and Physical Sciences

College of Social and Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

## Bachelor of Arts

Kathleen Ann Angerer, Columbus  
Bennett Alan Cohen, Columbus  
Susan Judith Evenchik, Canton  
Margaret Ellen Hawkins, Akron  
Janet Ann Hietter, Columbus  
Janet Lee Hines, Chicago, Ill.  
Carolyn Langel, Columbus  
Daniel Lee McKittrick, Wheeling, W. Va.  
Martin Andrew Pardo, Defiance  
Kirk Michael Patton, Worthington  
Brian Lee Sands, Richwood  
Sue Ellen Stapleton, Washington C. H.  
Susan Elizabeth Tippet, Columbus  
Joel Keenan Wendt, Worthington

## Bachelor of Fine Arts

Cynthia Ruth Adam, Mansfield  
Douglas William Carnes, Columbus  
Elaine Comer, Columbus  
Robert Hilton Crites, Columbus  
Suzanne dela Peña, Columbus  
David-Noël DeRobertis, Brecksville  
Ngozi Nubari Gbole-Nwinkins,  
Port Harcourt, Nigeria  
Dean Palmer Goss, Columbus  
Dana Shelly Greenberg, Columbus  
James Melvin Harry, Columbus  
Jennifer A. Hein, Columbus  
Rebekah Voll Kenney, Bucyrus  
Kristen Marie McCarthy, Westerville  
Michael Vincent Messier, Columbus  
Gregory L. Nesbitt, Columbus  
Scott Jeffrey Ney, Berea  
Karen I. Romas, Columbus  
Dawn Christine Sessler, Lancaster  
Mary Lynn Shepherd, Columbus

## Bachelor of Music

Glenn Allen Beachy, Columbus  
Marjorie Bennett Bray, Columbus  
Laban Darrel Miller, Irwin  
David Alan Wiley, Harrisburg, Pa.

## Bachelor of Art Education<sup>1</sup>

Kitty Jane Blackford, Dublin  
Gwendolyn D. Dickerson, Coshocton  
Denise Schmenk Fogt, Elida  
Mary Ann May, Worthington  
Victoria Ann Pannella, Worthington  
Mary Elizabeth Paschal, Middletown  
Constance Tracy, Worthington  
Jeffrey Gerard Turner, Columbus

## Bachelor of Music Education<sup>1</sup>

Cynthia Ann Frase, Litchfield  
Susan Marlene Kinsley, Worthington  
John Victor LaMacchia, Wellington  
Jane Louise Matyskella, Columbus  
Melinda Lu Murphy, Columbus  
Robert Allen Nixon, Lebanon  
Stephen Joseph Polizzi, Retsof, N. Y.  
Gary Lynn Richards, Upper Sandusky  
Catherine Ann Rings, Columbus  
Daniel Lee Sullivan, Blacklick

<sup>1</sup> Offered jointly by the College of the Arts and the College of Education

## Bachelor of Science in Audio Recording

Lynn Allen Borton, Alliance  
Daniel Alan Lahman, Reynoldsburg  
Marvin Eugene Parsons, Cutler

## Bachelor of Science in Industrial Design

Jane Ann Bobel, Lorain  
Daniel Edward Brady, Lorain  
Dennis Charles Couch, Columbus

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Science

Elizabeth Grace Apolonio, Brecksville  
Shawn C. Berry, North Canton  
Patrick Arthur Biles, Piqua  
Satpal Singh Bir, Columbus  
Steven B. Cohen, South Euclid  
Debra Grace Fox, Huber Heights  
Jeffrey Stephen Gillette, Rochester, N. Y.  
John Charles Herd, Fairborn  
Joyce Ellen Hinkle, Akron  
Brent Wilson Imbody, Marion  
Kevin Dean Johnson, Gahanna  
David Dale Kessler, Canton  
Elizabeth Ann Law, Powell  
Deborah Lopuchovsky, Hubbard  
John Martin Mastro, Youngstown  
Sheryl Ann Mayer, Painesville  
Joseph Anthony Novak, Rocky River  
Joseph Patrick O'Connor, Auburn, N. Y.  
Steve Allen Padilla, Columbus  
Mary Lou Cervenak Ringle, Lakewood  
Marcia Jean Shands, Sparta, N. C.  
Jennifer Sue Steinhauer, New Boston  
William Stephen Toth, Jr., Madeira

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

Craig A. Apple, Reynoldsburg  
Lyn W. Baker, Mansfield  
Daniel Lewis Barber, Glenford  
Mary M. Bardach, Columbus  
Karen Dawn Best, Hebron  
Katherine Elizabeth Body, Hilliard  
Pamela Jane Brandt, Cleveland  
David Lewis Bucklew, Columbus  
Dagmar Carstensen, Columbus  
Luciano Conte, Brookpark  
Jeffrey Sean Corzine, Chillicothe  
Deborah Brown Dearth, Pataskala  
Alesia Rita Rina Renee Dickson,  
East Cleveland  
Alison Anne Eppinger, Scotch Plains, N. J.  
Patricia Bibko Forward, Columbus  
Theresa A. Hartley, New York, N. Y.  
Laurence James Haynie, Alvin, Tex.  
Bruce A. Holler, St. Clairsville  
Joel Andrew Kane, Bay Village  
Beverly Byers Kelly, Columbus  
Keith Stuart Knopf, Columbus  
Diane Marie Larkin, Columbus  
Nancy Jane Maradie, Worthington  
Rebecca Motil McCormish, Burton  
James Alan McNeal, Galion  
Jeffrey Jon Mercer, Columbus  
Michael Douglas Mitchell, Erewhon  
Carol Jeanne Mitten, South Euclid  
Thomas Aquinas Pajor, Lima  
Elizabeth Jane Phillips, Kenton

Francis C. Rack, Columbus  
Diana Marie Rowland, Marion  
Linda E. Rulman, Defiance  
James M. Schaub, Mansfield  
David Alan Scott, Columbus  
David William Simpson, Kenilworth, Ill.  
Joseph Newton Smith, Urbana  
James Wendell Stallworth, Cleveland  
Lori Ann Stan, Columbus  
Bruce Bryant Walters, Columbus  
Gregory J. Winter, Columbus  
C. Philip Wright, Marion

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

Robert Joseph Dervin, II, Reynoldsburg  
Mark S. Glaze, Pickerington  
Scott R. Sancetta, Chagrin Falls  
Jean Kennedy Warner, Columbus

### Bachelor of Science

Steven Lewis Barth, Coshocton  
Karen Ann Cairo, Morristown, N. J.  
Connie Jane Campbell, Columbus  
Cynthia L. Carpenter, Somerset  
Barbara Jean Cox, Elyria  
Bashir M. E-mail, Misurata, Libya  
Samuel P. Figuli, Cleveland  
Robert Joseph Good, Piqua  
Thomas Fred Haviland, Marion  
Akira Kan, Yamagata, Japan  
Jeffrey Stuart Kargel, North East, Md.  
Philip Keller, Basel, Switzerland  
John Barrie Kelly, Clifton, N. J.  
Cynthia Hauck Lauzau, Upper Arlington  
Bruce Gordon Ligo, Chadd's Ford, Pa.  
Donald E. Ludlow, Springfield  
Craig Andrew McDowell, Chillicothe  
Earl E. Moyer, Greenville, Pa.  
Wayne Anthony Savona, Malvern  
Jeffrey Gordon Shafer, Upper Sandusky  
J. Elizabeth Sheriff, Columbus  
Suzanne Marie Snyder, Columbus  
Robert A. Vrabel, Mansfield

# College of Social and Behavioral Sciences

Dean: S. Earl Brown

## Bachelor of Arts

Jeanne Susanne Abbott, Akron  
Robert Edward Bardwell, Jr., Columbus  
Terry Lee Barga, Sidney  
Kimberly Jo Barnhart, Lancaster  
Richard Brian Bello, Columbus  
Mohamed Hamed Benarous, Benghazi, Libya  
Elizabeth J. Blesch, Columbus  
John Douglass Botti, Canton  
Karen Lee Bowman, Urbana  
Sharon Louise Bowman, Columbus  
Kathleen Marie Branch, Shelby  
Cynthia Shank Burggraf, Columbus  
Patricia Lynn Campbell, Mansfield  
Constance S. Carter, Delaware  
John Gerard Chiazza, Lima  
Ralph C. Chope, Parma Heights  
Gerald Thomas Clellen, Westerville  
William A. Cochran, IV, Waynesville  
Lynn Marie Collings, Mansfield  
Michele Elizabeth Colliwer, Grandview Heights  
Elsbeth Maria Connaughton, Columbus  
Virginia Grace Conte, Lakewood  
Mary Kay Cook, Silver Lake  
Peggy Colleen Danehy, Toledo  
Calvin Daniels, Toledo  
Mindy Lisa Davis, South Euclid  
Patricia Ann Day, Akron  
Melinda Ann Derr, Loudonville  
Gregory Todd Donahue, Coal Grove  
Elizabeth Ann Donaldson, Fort Jennings  
Susan Beth Dworkin, Cleveland  
Ronnie Martin Dziak, Seven Hills  
Susan Jeannette Edris, Ormond Beach, Fla.  
Jeffrey C. Eisenberg, Beachwood  
Leon McNair Ellison, Washington, D. C.  
John F. Epitropoulos, Warren  
Alecia Hope Fairbanks, Columbus  
Kevin Jeffrey Fladen, Mount Vernon  
Robert M. Foote, Bay Village  
Jill Footer, Englewood  
Carl Edward Franklin, Lyndhurst  
Keith Ray Gilbert, West Carrollton  
Ronald Frederick Gornichec, Mentor  
Ann Marie Graham, Mansfield  
Cynthia Gruber, Worthington  
Debbie L. Haggerty-Bick, Toledo  
Linda Lee Haight, Columbus  
John Edward Heisler, Lyndhurst  
Patricia Leigh Hess, Columbus  
Sonya Higginbotham, Lorain  
Don Allan Hone, Celina  
Helene I. Horn, North Woodmere, N. Y.  
Jeffrey William Horner, Kettering  
Peter Chang-de Hui, Hong Kong  
Jon Bradley Hurst, Delaware  
Jeffrey Robert Jump, Marion  
Parran Keesecker, III, Erwin, Tenn.  
Amy Jo Keller, Grandview Heights  
Mary Teresa Kelley, Columbus

Janet Fowler Kimerline, Bucyrus  
Ronald Wayne Knauer, Cincinnati  
Margaret Jennifer Laidlaw, Ocean City, Md.  
Connie Lou Lambert, Caldwell  
Dawn Kimberly Lance, Fort Worth, Tex.  
Janice R. Lanier, Westerville  
Lynda Lee Lanphere, Columbus  
Craig William Lewis, Newark  
Nancy J. London, Cleveland Heights  
Jonell Lovett, Cincinnati  
Ellen Marie Lyons, Gahanna  
Neil Alec MacQueen, II, Upper Arlington  
Raymond Joseph McMahon, Grandview Heights  
Jeffrey David Michael, Columbus  
Penny Cottrell Miller, Columbus  
Teresa A. Miller, Lyndhurst  
Valerie G. Miller, Waverly  
James Paul Monast, Upper Arlington  
Kevin William Moore, Columbus  
Jean Wilbur Morris, Columbus  
Kimberly Sue Norris, Columbus  
Loretta Marie O'Sullivan, Columbus  
Raymond Dale Oakes, Paris  
Lori Ann Olson, Ashland  
Joann Gail Ort, Canfield  
Penelope Ann Paoliello, Cambridge  
Dianne McKenna Patterson, Marysville  
Gregory Michael Peters, Washington, D. C.  
Elizabeth Ann Phillips, Columbus  
Barbara Schuler Pickett, Marion  
John George Popper, Glenside  
Faye Darcel Powell, Illinois  
Jayne E. Powell, Columbus  
Robin Rebecca Rader, Ontario  
Lisa Robin Raiz, Bexley  
Diane Lynne Rawlings, Euclid  
Susan Margaret Rich, Washington C. H.  
Jayne Louise Roepke, Gibsonburg  
David Bennett Rogers, Troy  
Laurie Ann Russell, Wintersville  
Matthew V. Sauer, Columbus  
John Clark Schreck, Galion  
Alan J. Schulman, Cincinnati  
Charles Schumacher, Columbus  
Carter Eugene Scites, II, Delaware  
David Todd Sheidlower, Canton  
Raymond Joseph Siegrist, Columbus  
Howard R. Shrimpton, Parma  
Stu Jay Sisco, Butler, N. J.  
Jon Art Slater, Jr., Lancaster  
Lydia C. Smith, Steubenville  
Terri Lee Southern, Columbus  
Elaine Yvonne Spatt, Columbus  
Paula J. Spears, Marion  
Kevin Malone Starr, Vienna, Va.  
Mark Alan Szorady, South Euclid  
Alvin Chris Taylor, Newport News, Va.  
Sherri Louise Theis, Warren  
Ann Carolyn Tomashiefski, Chagrin Falls  
Robert John Van Der Velde, Cleveland Heights  
Richard Alan VanBrimmer, Delaware  
Richard John Wagner, Lakewood  
Lawrence Marc Weisman, Beachwood  
Martin John Welker, Springfield  
David Quinten Wigginton, Wintersville  
Cheryl Louise Worley, Columbus  
Steven Glenn Wyatt, Cincinnati  
Ruth Marie Yahl, Botkins

## Bachelor of Science

Terry Lee Brown, Columbus  
Bryan Edward Connell, Washington C. H.  
Christal Lynn Dunsieith, Leeburg  
Vicky Primer Felz, Bainbridge  
James L. Foster, Mentor  
Laurie Ann Jones, Canfield  
Rita M. Killigrew, Corning, N. Y.  
Gerard Kortyna, Broadview Heights  
Robert Wavelin Lewis, Bellville  
Jeffrey E. Rhees, Oakwood  
Renee Marie Starinski, Barberton  
Deborah Lynne Wills, Columbus

## School of Journalism

### Bachelor of Arts in Journalism

Douglas R. Alter, Columbus  
Lynne Marie Baker, Wooster  
Jodie Barnes, Amanda  
Edmund L. Brown, Columbus  
Mark E. Carroll, Westfield Center  
Amy E. Chivington, Columbus  
Alicia Kathryn Eckley, Columbus  
Douglas Scott Evans, Marion  
Jacqueline Ann Farthing, Canfield  
Gary Richard Glowacki, Greene  
Kim James Herouvis, Rocky River  
Robert Vivian Higgs, New Albany  
Gary Michael Horowitz, Columbus  
Sandra Huggler, Enon  
Mary Alice Krier, Columbus  
John Timothy Krumlauf, Columbus  
Bradley Charles Lendon, North Royalton  
Ann Morrow Marion, Lakewood  
Wilbye Mae Mason, Athens, Ala.  
Aiane Sue Megna, Bellevue  
Randall Scott Merritt, Columbus  
Diane Ellen Moore, Bryan  
Janet Ballard Naylor, Columbus  
Timothy Paul Pettit, Columbus  
Gary Lyn Presley, Lima  
Michelle Jean Rice, Worthington  
Ronald Curtis Roenick, Strongsville  
Judy Kay Ruthsatz, Sandusky  
Patricia A. Schmueck, Cleveland  
Nina Abbe Shapiro, Columbus  
Mary Elaine Sherding, Upper Arlington  
Kimberly Marie Shonk, Columbus  
Michael James Sopko, Cleveland  
Thomas Bradley Stauffer, Greenville  
Donald Edward Tudor, Galion  
Patricia Marie Walsh, Cincinnati  
Carolyn Patricia Weber, Marion  
Donna L. Williams, Virginia Beach, Va.

# College of Administrative Science

Dean: H. Justin Davidson

## Bachelor of Science in Business Administration

Kimberly Jo Allen, Dayton  
Saeed Mohamed Al-Shidhani,  
Muscat, Oman  
Judith Lynn Baker, Vandalia  
Scott Lawrence Baker, Cleveland  
David Harold Ball, Columbus  
Mark Jay Ballenger, Marion  
Kenneth Scott Balogh, Toledo  
Kurt Douglas Balsar, Delaware  
Kevin Gerard Barry, Columbus  
Jane Michele Bauer, Upper Sandusky  
Susan Lynn Bauer, Cincinnati  
Daniel Abner Bauman, Jr., Westerville  
Ann Margaret Beaudoin, Wilmington, Del.  
James Edward Beck, Coshocton  
James Christopher Bell, Shelby  
Kathy Crawford Blackstone, Columbus  
Michael Leland Blair, Washington C. H.  
Steven Lloyd Bochnak, Columbus  
Jacelyn Kay Boger, Caledonia  
James Robert Bonfante, Columbus  
James Robert Boughtner, McKeesport, Pa.  
Kevin Eugene Brown, Newark  
Thomas Andrew Brown, Columbus  
Joel Scott Buck, Columbus  
William Scott Byrum, Richmond, Ind.  
William Edward Callam, Mayfield  
Kevin Kinsey Calori, Columbus  
Michael Anthony Capozziello, Columbus  
Robert Paul Carlisle, Millersport  
Waite Wesley Carlisle, Newark  
Barbara Helene Carlson, Columbus  
Lois Marie Chandler, Gahanna  
Robert Hess Christiansen,  
Cleveland Heights  
Christopher B. Christo, Elyria  
Galen Bernard Cisco, Jr., St. Marys  
Michael James Clark, Columbus  
Timothy K. Clement, Bellefontaine  
Kimberly Sue Cline, Delaware  
Rex Stacey Cole, Sandusky  
Mary Elizabeth Conley, Ironton  
Richard Joseph Contini, Lima  
Mark James Conway, South Euclid  
David Alan Cook, East Liverpool  
Joel Charles Cooper, Columbus  
Scott Kendall Cooper, Tulsa, Okla.  
Stephen Lowell Covert, Tiffin  
Brian D. Crum, Caldwell  
Michael John Cummins, Columbus  
Joseph Christopher Currell, Cincinnati  
Scott Franklin T. Daering, Maumee  
Marcella Jean Danklef, Salem  
Michael William Dean, Newark  
Christopher L. DeFourny, Columbus  
James Gerard Dehan, Akron  
Thomas Joseph Della Flora, Columbus  
Jeffrey Alan DelNostro, Highland Heights  
Raymond Joseph DePaul, North Jackson  
Dixie Anne Depew, Columbus  
Robert Brenton Dickerson, Fairlawn  
John A. Dodd, Columbus  
Michael John Doseck, Wapakoneta  
John Michael Doyle, Pataskala  
Alice Marie Dudgeon, Newark  
Lawrence R. Ednie, St. Clairsville  
Lori Sue Einzig, Youngstown  
Mark Alexander Elam, Cincinnati  
Marcy B. Elbrand, Mentor  
Thomas L. Esterline, West Unity  
Bret Allen Everman, Sabina  
Daniel Edward Ewing, Columbus  
Joseph Charles Fetto, Columbus  
Gilbert Michael Ezzo, Columbus  
Joseph Richard Fairchild, Centerville  
Jeffrey Drew Fallon, Columbus  
Timothy Joseph Fallon, Columbus  
Carolyn Ann Fanning, Columbus  
Karl Herman Farwig, Wayne  
Grant Russell Ferree, Jr., Columbus  
Joseph Charles Fetty, Columbus  
Brenda Elaine Findley, Fostoria  
Monte Kendall Fisher, Peebles  
Joseph Edwin Foley, Upper Arlington  
David Russell Ford, Columbus  
Steven Michael Ford, Columbus  
Michael Joe Frazier, Bainbridge  
Harry Joseph Fry, Huntsville  
Jeffrey Drew Gandert, Edison  
Robert James Gardner, Milford  
Eydie Kay Gartrell, Westerville  
Karen Ann Garvin, Worthington  
James Gawronski, Columbus  
Nadine Marie Geiger, Lima  
Michelle Rae Gentry, Brecksville  
Gale William George, Columbus  
Dana Richard Gibbs, Mansfield  
Gary Martin Gilbert, Columbus  
Paul Gregory Gilman, Cincinnati  
Michael Patrick Gleich, Columbus  
Anthony Edwin Goldberg-Rugalev,  
Columbus  
Karen Marie Graham, Columbus  
Michael Foster Greenspun,  
University Heights  
Hazel Giffen Haller, Dayton  
Thomas Edward Hannaford, Euclid  
Frank Burdette Hannah, Mansfield  
Steven Lee Hayhurst, Hilliard  
Stephen Thomas Hentz, Cincinnati  
Lynn Marie Herro, Akron  
Charles Peter Hershey, North Canton  
Carol Ann Hertenstein, Lancaster  
James Edward Hilditch, Columbus  
Steven James Hoch, Lancaster  
Timothy John Holscher, Worthington  
Gary L. Hoover, Tiffin  
Ronald Eugene Hopson, Hebron  
Mark Charles Horrigan, Akron  
Candace L. Horvath, Maple Heights  
Teresa Ann Hoyer, New Bremen  
David Noel Hunsinger, Cleveland Heights  
Susan Belle Huston, Marietta  
Kevin R. Iguchi, Columbus  
Ben C. Jay, Columbus  
Brian Keith Jenks, Bloomington, Minn.  
Katina Marie Jennings, Columbus  
Stephen Michael Johann, Ironton  
James Philip Jones, Jr., Dayton  
Stanley Russell Jones, Dover  
Barbara J. Jordan, Delaware  
Michael Keith Jorgensen, Huron  
Lita Moore Jornd, Columbus  
Rouse Katona, Strongsville  
Michael Lynn Kauffman, Chillicothe  
Benjamin H. Kaufman, Great Neck, N. Y.  
MaryAnn Keffer, Massillon  
James Joseph Kennedy, Springfield  
Donna Marie Kerr, Irwin, Pa.  
Fanny Wai-Han Keung, Hong Kong  
Christie L. Khourie, Columbus  
Kevin Keith Kibler, Westerville  
Richard Joseph King, Columbus  
Rodney Alan King, Chillicothe  
Paula G. Kitsmiller, Columbus  
Michael K. Klose, Findlay  
Charles Theodore Koehler, Mansfield  
Kim Marleen Kossmann, Columbus  
Steven Arthur Kraft, Gahanna  
James William Krieger, Oak Harbor  
Richard Thomas Kurth, Columbus  
David Frank Lachey, Dayton  
Tina Marie Laessele, Columbus  
Katherine Lee Lane, Columbus  
David Marshall LaRue, Germantown  
Patricia Anne Lassiter, Fayetteville, N. C.  
Charles John Latsa, Westlake  
Anna Marie Layo, Columbus  
Thomas S. Leggett, Columbus  
Jean Marie Letcher, Steubenville  
Donald Bauer Lewis, Upper Arlington  
Mary E. Linder, Wapakoneta  
Paul Martin Lockman, Washington C. H.  
Frederick Manuel Lojo, Upper Arlington  
John Raymond Lorence, Columbus  
Elizabeth Louise Lynch, Dayton  
Scott Timothy Mackay, South Euclid  
Michael Maurice Maire, Conneaut  
John Charles Mansour, Youngstown  
Robert Dirkson Martin, Columbus  
Sharon Sue Usery Mascolino, Columbus  
Gary Louis Massar, Columbus  
Bruce A. May, Solon  
Peter John May, Springfield  
Thomas Robert Mazey, Johnstown  
Sally Wood McCarty, Athens  
Scott Allen McCoy, East Liverpool  
Cathy Sue McFadden, Sabina  
Lorraine Faye McFarren, Dalton  
Brenda Jean McGoanle, Reynoldsburg  
Kevin Kelly McGuinn, Centerville  
Mark K. Millar, North Canton  
Sheryl Ann Miller, Marion  
Michael Allen Minadeo, Highland Heights  
Alice H. Mitchell, Worthington  
Robert C. Mixer, Grove City  
Joseph Clement Monda, Ashtabula  
Paul Warren Moore, Columbus  
Lisa Lynn Morehead, Middletown  
Jeanne Frances Murphy, Gates Mills  
Beth Michelle Murray, Westlake  
Steve Andrew Nagle, Dayton  
Merritt Marshall Narance, Marion  
Donald Kyle Nickell, Venice, Fla.  
Anne Marie O'Keefe, Columbus  
James Patrick Ortlieb, Columbus  
Saverio Nicholas Pagioni, Columbus  
Jeffrey Allen Parrott, Ostrander  
Gary Neal Perfect, Fredericksburg, Va.  
D. Kevin Pfeiffer, Hamilton  
Jorge Luis Pla, Brecksville  
Scott John Pok, Worthington  
William Carlyle Pope, Cleveland  
Linda S. Potter, Columbus  
Jeffrey Ralph Powell, Columbus  
Jack Walter Price, Columbus  
Gregory John Pursiful, Youngstown  
Kathy Klepser Ralph, Worthington  
Robin Lynn Raymond, Columbus  
Susan Florriane Reeds, Columbus  
Randolph Jeffery Reese, Moreland Hills  
Kurt Douglas Reichert, Dayton  
William Scott Ridgway, Dayton  
Jeannette Cecile Rigot, Dayton

David Milton Ritner, Dayton  
 Susan Louise Robb, Hinckley  
 Alex Herbert Rogl, Littleton, Colo.  
 Maureen Ellen Ryan, Plainfield, Ill.  
 Eric John Sandberg, Willoughby  
 David A. Sands, Columbus  
 James Emerson Satterfield, Cincinnati  
 Larry Schofield, Newark  
 Thomas A. Schrote, Marion  
 Melinda Marie Schultz, Tiffin  
 Martin Schwartz, Capetown, South Africa  
 Laura Ann Scofea, Ashland  
 J. Scott Seipel, Waterville  
 Ronald Herbert Seymour, Columbus  
 Scott Charles Shively, Canton  
 Scott Alan Smiley, Canton  
 Michael Thomas Smurr, Columbus  
 John David Sneedgar, Dayton  
 Richard Anthony Snyder, Ft. Myers, Fla.  
 Cynthia Marie Squires, Worthington  
 Brad Steven Staats, Monroe Falls  
 Michael David Staley, Forest  
 Robert Neil Stambaugh, Lima  
 Linda Kay Stine, Shelby  
 Michael Nolan Stone, Columbus  
 Jeanne Louise St. Pierre, Worthington  
 Catherine Ann Sturges, Columbus  
 Kimberly Ann Sullivan, St. Clairsville  
 Robert T. Swain, Mansfield  
 Dan William Swift, Pierpont  
 Katherine Ada Swords, Mt. Sterling  
 Brian Mitchell Szames, Columbus  
 Mark Frederick Taggart, Worthington  
 Valerie Pauline Tancredi, Euclid  
 Frank Randall Tarr, Columbus  
 Dennis Leslie Tatman, Columbus  
 James Ralph Thomas, Akron  
 Joseph Wayne Thompson, Pataskala  
 Susan Ann Trafas, Davison, Mich.  
 Donald Glenn Tucker, Galion  
 Patricia Lynn Turner, Perrysburg  
 Alan Woodrow Van Patten, Jr., Columbus  
 James Evan Wagstaff, Grove City  
 Virginia Susan (Ream) Walls, Lima  
 Marlene Roxanne Wathen, Columbus  
 Daniel A. Wedemeyer, Columbus  
 Sherry Joyce Wells, Hilliard  
 Steven Dale Werstiuk, Galion  
 Gary Matthew Westfall, Akron  
 Gary Norman Williams, Amlin  
 Kenneth Edward Wilson, Olmsted Falls  
 Brian Earl Wise, Heath  
 Steven Harry Wittman, Columbus  
 Christopher Thomas Wolfe, East Liverpool  
 Christopher John Wood, Columbus  
 Timothy Ray Wright, Springfield  
 Timothy Joseph Yake, Springfield  
 Rocky T. Yang, Columbus  
 Earl D. Yerina, Westerville  
 Jennifer Ann Young, Kenton  
 John Quin Zofkie, Wapakoneta

### **Bachelor of Science in Labor and Human Resources**

Thomas K. Yatsko, Youngstown

## **College of Agriculture and Home Economics**

Dean: Roy M. Kottman

### **Bachelor of Science in Agriculture**

Tamara Abernethy, North Canton  
 Robert Olan Atwood, Columbus  
 Coleen Marie Baer, Marion  
 Roger Allen Barlow, Liberty Center  
 Delana Christianson Barnhart, Fremont  
 Kristine Louise Bauer, Marion  
 Thomas Edward Beach, Williamsburg  
 John Eric Bratton, Danville  
 Mark Allen Brause, Bucyrus  
 Susan Caroline Brown, Sylvania  
 Teresa Karen Bullard, Hillsboro  
 Rick Lynn Carmichael, Wooster  
 Mark Wayne Chrisitan, Delaware  
 Jennifer Arlene Cook, Thornville  
 Lori Ann Cunningham, Dayton  
 Joel Eric Eltzroth, Jamestown  
 John Robert Evans, Gallipolis  
 Timothy Lee Fogt, Anna  
 Mary Beth Hastedt, Mark Center  
 Joseph Smith Hathaaway, Toledo  
 Charles Patrick Hicks, Cincinnati  
 Craig Francis Hilberg, Wilmington  
 Robin C. Hovis, Helena  
 Wayne Martin Johnson, Marshallville  
 W. Scott Jones, Ashville  
 David Lewis King, Reynoldsburg  
 Pat Richard King, Wauseon  
 Joseph Smith Krill, Edgerton  
 Susan Carol Larson, Newton, Mass.  
 Terrence Fred Lau, Curtice  
 Bruce Edward Lawton, Fleming  
 Sarah Jane Link, Columbus  
 Mary Elaine Lynch, Columbus  
 Christopher John Marinik, Vermilion  
 Steven Lloyd Mays, Bellevue  
 Neil Thomas McDevitt, Jr., Dayton  
 Robert Joseph McLaughlin, Woodsfield  
 Nancy Michele Michaelis, Seven Hills  
 Dean James Miller, Clyde  
 Mark Duane Miller, Delaware  
 Todd Kevin Noble, Westerville  
 Nancy Lida Nower, Hamilton, N. Y.  
 Thomas Mark O'Diam, Xenia  
 Thomas Lee Oglesby, Hillsboro  
 Steven Harvey Oury, Felicity  
 Thomas Arthur Overstrom, Endicott, N. Y.  
 Julie Ann Persinger, Washington C. H.  
 Cynthia Louise Pfouts, Dayton  
 Brian Michael Philbin, Perrysburg  
 Carl Lloyd Powell, Columbus  
 Jeff Allen Powell, Hopewell  
 John Clayton Powell, Hopewell  
 Greg Aaron Pyles, Akron  
 Dwight Charles Radcliff, Circleville  
 Mark Frederick Reineck, Fremont  
 Teri Louise Roth, Lima  
 Timothy John Ruffing, Norwalk  
 Mark Harold Sanborn, East Orwell  
 Dorothy Schmuck, Columbus  
 Phillip Raymond Schwendenman, Columbus  
 Scott Lee Shaneyfelt, Xenia  
 Vickie Jean Shultz, Bowerston  
 Vicki Ellen Simmerman, Morrow  
 Steven Wayne Snead, Casstown  
 Martin Joseph Snider, Mansfield  
 Everett William Snyder, Hillsboro

Robert Eugene Spangler, Jr., Tampa, Fla.  
 Randy Dale Spargrove, Frazeysburg  
 Drake Stinson, Frankfurt  
 Rebecca Ruth Strayer, Elida  
 Douglas Alan Stützlein, Loudonville  
 Rodney Stewart Swonger, DeGraff  
 Ken Rardin Thomas, Gallipolis  
 Steven Titzko, III, Columbus  
 Patricia Stiles Titus, Wapakoneta  
 John Fredrick Traxler, Avon

### **Bachelor of Science in Food Science**

Sally Stuart Drake, Columbus

### **Bachelor of Science in Food Technology**

Nancy Jane Hugus, Rushville  
 S. James Natoli, Delaware

### **Bachelor of Science in Nutrition**

Edward Dwain Bonnette, Marietta

### **School of Home Economics**

#### **Bachelor of Science in Home Economics**

Karen Kay Alexich, Worthington  
 Stacie Bernard, Sabina  
 Lori Lynn Borowski, Eastlake  
 Vivian Carol Brewer, Grove City  
 Alea Charlene Bromm, Fairborn  
 DiAnna Bucher, Centerville  
 Susan Anne Bursk, Middletown  
 Holly Kae Casagrande, Columbus  
 Debra Ann Centrackio, Highland Heights  
 Peggy Jo Cochran, Whitehouse  
 Colleen Marie Dixon, Delaware  
 Mary Lisa Edwards, Columbus  
 Marcia E. Feinberg, Pittsburgh, Pa.  
 Barbara Gay Gilbertsen, Upper Sandusky  
 Terri Lynn Gottke, Euclid  
 Theresa Catherine Halloran, Cincinnati  
 Carmella Sharron Heath, Massillon  
 Linda Anna Ellen Heilman, Kenton  
 Paulette Klopfstein Huber, Crestline  
 Lee Ann Keller, Jackson  
 Elyse Kreitman, Louisville, Ky.  
 Julie Ellen Light, Cleveland Heights  
 Josephine A. Malta, Jackson, N. J.  
 Porta Jo Martin, Laurelville  
 Janice Ruth McMunn, Stow  
 Kathy Jo McNutt, Hilliard  
 David Amil Mentges, Columbus  
 Linda Kaye Millard, Parma Heights  
 Judith A. Morgan, Reynoldsburg  
 Diane Marie Naber, Columbus  
 Melanie Sue Nye, Columbus  
 Karen Lynn O'Connor, Canton  
 Rebekah Sue Packard, Geneva  
 Marianne Palombo, Rocky River  
 Viola Moo Young Park, Decatur, Ga.  
 Patricia C. Polster, Columbus  
 David Michael Powell, Columbus  
 Donix Gabriel Powell, Columbus  
 Julie Lynn Reeves, Kinsman  
 Cheryl Ann Robinson, Gallipolis

Elaine Patricia Schabitzer, Bay Village  
Alicia Lee Scott, Cleveland  
Melinda Sue Shafer, Bradford  
Deborah Helene Smuckler, Canton  
Janet Snyder, Columbus  
Peggy Lee Suver, Pickerington  
Elaine S. Swormstedt, Dayton  
Mary Elizabeth Vent, Upper Sandusky  
Martha Elizabeth Wetzel, Dayton  
Paige Marie Willis, Marion

### Bachelor of Science in Nutrition

Jerald Howard Simmons, Beachwood

### Bachelor of Science in Restaurant Management

Timothy Richard Dull, Columbus  
Beverly Jane Masola, Columbus  
Barbara Ann McGowan, Salem

### School of Natural Resources

### Bachelor of Science in Natural Resources

David Eugene Ackerman, Bowling Green  
Brad Allen Ault, Buckeye Lake  
Lana Sue Baker, Columbus  
Richard Edward Bauer, Bucyrus  
Teresa L. Boz, Columbus  
Brian Carleton Burkett, Fremont  
Thomas L. Burkhart, Rinard Mills  
Catherine Gertrude Craig,  
West Richland, Wash.  
Jeffrey Scott Dierksheide, Bucyrus  
Louis Robert Dispenza, Youngstown  
Lori Ann Franklin, Huron  
Joseph Edwin Gerst, Columbus  
David Brian Green, West Jefferson  
Debra Lynn Griest, Hilliard  
Paul Frederick Hahn, Jr., Columbus  
Kevin T. Kessler, Lancaster  
Karen Lynn Khol, Lyndhurst  
Michelle Fay Kuhlman, Willowick  
Pete L. Leaf, Columbus  
Kevin Wall Lowry, Springfield  
Esta Elizabeth Lynch, Columbus  
Randall Eric McGonigal, Springfield  
Cynthia Marie Mehringer, Martinsburg  
Mark Eugene Monaco, Dover  
Kevin P. Oldaker, Columbus  
Margaret Elizabeth Park, Columbus  
Gail L. Hardin Porter, Columbus  
Rosemary Catherine Redmond, Belpre  
Bonnie Dorsey Reilly, Worthington  
Tracy Ann Rice, Ostrander  
Bryan Edwin Sieling, Portsmouth  
Brian Joseph Sohner, Stow  
William Eugene Southern, Salem  
Ronald Clifton Storm, Columbus  
Barbara Jean Suto, Dayton  
John Stephen Tertuliani, Northwood  
Richard Paul Tritt, Columbus  
Victoria G. Wetzel, Cuyahoga Falls  
Jeffrey Lewis White, Columbus  
Mark Hugo Zimmerman, Lima  
Rebecca Sue Zwyer, Madeira

## Agricultural Technical Institute-Wooster

### Associate in Applied Science

John Eugene Ameser, Alliance  
Catherine Jane Apicella, Brecksville  
Lee Richard Ashmus, Broadview Heights  
Kent Alan Belau, Defiance  
Leslie Carl Gilson, Wooster  
Denise Sue Hornak, Wooster  
Laura Jane Israel, Westerville  
Francisco Samuel Mannix,  
New Braunfels, Tex.  
Linda Lee Manwaring, Massillon  
Andrew Dean Noble, Westerville  
Scott Fenwick Ridgway, Louisville  
Dee Anna Roberts, Lodi  
Thomas John Robinson, Bay Village  
Gayle Ann Sathre, Cleveland  
Deborah Marie Straszheim, Eaton  
Thomas Myron Willer, Fremont  
Jack Raymond Zimmerman, Fremont

## College of Dentistry

Dean: William R. Wallace

### Doctor of Dental Surgery

Mark George Adler, Walton Hills  
B.S.

Thomas Leslie Bowers, Swanton  
B.A. (University of Toledo)

William Earl Brosky, Ashtabula  
B.S. (John Carroll University)

John Joseph Hellmann, Cincinnati  
B.S. (Xavier University)

William Henry Howard, Cincinnati  
B.S. (California Institute of Technology)

Chester Leon Layne, Proctorville  
B.S. (Marshall University)

James Lee Phillips, Fairborn  
B.A. (Wittenberg University)

### Certificate of Graduate Dental Hygienist

Ruth Elizabeth Dine, Canton  
Gayle Thomas, Dayton

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Beverly Adele Aldridge, Sabina  
Philip T. Anglim, Columbus  
Karen Sicker Ansley, Columbus  
Cathleen Marie Au, Mansfield  
Judi Lynn Axelband, Beachwood  
Richard Ray Bagley, Van Wert  
Janell Joy Baker, Mt. Vernon  
Julia Mary Baltes, Tiffin  
Lisa Michelle Barnette, Columbus  
Nancy Lynn Barr, Columbus  
Joan Marie Bartholomew, Bay Village  
Amy Cathleen Bauer, Canal Winchester  
Stephen C. Benedict, Pataskala  
Dawn Hardy Berbert, Columbus  
Linda Marie McMillen Bevan, Columbus  
Deborah Elizabeth Billy, Columbus  
Victoria J. Bird, Mansfield  
Beverly Sue Bondor, Youngstown  
Shelley L. Borkoski, Columbus  
Susan McCarthy Bowden, Cincinnati  
Rick Keller Brady, Columbus  
Lisa Carol Brenneman, Orrville  
Pamela Jean Brewer, Bucyrus  
Rickey Alan Burgess, Willoughby  
Maureen Ann Burke, Columbus  
Lisa Ann Carmean, Kenton  
B.A. (Miami University)  
Sara Anne Carruthers, Fairfield, Conn.  
Terry Lee Cassidy, Cincinnati  
Karen O. Cole, Ashland  
Elizabeth Ann Conlon, Worthington  
John Charles Cox, Kirkersville  
Ruth Ann Cline Datz, Ashville  
Craig Winston Deep, Worthington  
Cynthia Lynn Dengler, Mogadore  
Susan Marie Denner, Kettering  
Darlene Marie White DePouw,  
Canal Winchester  
Rhonda Kaye Dickerson, Centerville  
Debra Ann Dierksheide, Fremont  
Philip Joseph DiSabato, Columbus  
Cheryl Stickley Dixon, Lima  
Nancy Beach Dowell, Marion  
Kathy Lynn Downey, Columbus  
Patsy Kay Doyle, Pataskala  
Lucille Margaret Dragovich,  
South Bend, Ind.  
Brian Joseph Dunleavy, Columbus  
Peggy Suzanne Dupler, Rockbridge  
Janet Lee Ellis, Shelby  
Jennifer Lee Faulkner, Urbana  
Karey Lynn Fellows, Westerville  
Janice Elaine Forry, Columbus  
Loretta Gale Frazier, Centerburg  
Gerald L. Gasper, Glens Falls, N. Y.  
Barbara Annette Geist, Worthington  
Nancy Susan George, Marysville  
Robert Arthur Ghiloni, Newark  
Richard Stephen Glesenkamp, Delaware  
Victoria Elizabeth Gorsuch, Madison  
Mildred Tsivitsze Green, Delaware  
Thomas Russell Griffin, Mentor  
Edward Louis Gyetvai, Jr., Delphos  
Josette Elaine Hahn, Bucyrus  
Patricia Ann Hamsher, Mt. Gilead



Diane Lynne Hawkins, Middletown  
 Joyce Ann Healea, Upper Sandusky  
 Lori Ann Heiser, Bexley  
 Holly Jo Hensley, Dayton  
 Stephen William Herbert, Delaware  
 Robin Lynn Hocter, South Vienna  
 Lena Elizabeth Holt, Mansfield  
 Pamela Suzanne Hooper, Chillicothe  
 LouAnn Hotchkiss, Columbus  
 Melody Rose Houk, Mt. Gilead  
 Jodi Kay Howland, Canton  
 Leland Homer Hubbell, Columbus  
 Douglas Murphy Hunt, Columbus  
 Karen Lynn Hutcheson, Columbus  
 Duane Robert Ireson, Grove City  
 Elizabeth Ann Irvine, Schenectady, N. Y.  
 Annette Kay Jackson, Columbus  
 Martha Pedersen Jackson, Worthington  
 Patricia Ellen Johns, Bellefontaine  
 Barbara Jean Johnson, Zanesville  
 Allison Michelle Jones, Lima  
 Larry Lee Jones, Reynoldsburg  
 Stacy Beth Kaplan, Cleveland Heights  
 Elizabeth Ann Kennedy, South Vienna  
 Margaret Jean Kenney, Burton  
 Sheila Fox Kline, Mansfield  
 Jill Ann Klotz, Port Clinton  
 Alice Hart Krull, Mansfield  
 Eunice Faye Legan Kunz, Columbus  
 Gary Alfred LaBranche, Lorain  
 Paul Edward LaRue, Lancaster  
 Thomas Gregory Lees, Dayton  
 Lori Jo Leonhard, St. Paris  
 E. Ann Levine, Columbus  
 Rebecca Ann Lindenschmidt, Cincinnati  
 Cynthia Kay Loeffert, Marion  
 Mary Walker Louis, Galion  
 Arthur Charles Lunt, Columbus  
 Kari Ann MacDonald, Huntsville  
 Janice Lynn Marshall, Lima  
 Carol Ann Martini, Lima  
 Bradley Richard Mawhorr, Shelby  
 Margaret Marian Maxwell, Smithfield  
 Charles Michael McGee, Middletown  
 Beth Ann McKee, Westfield Center  
 Michael James Mendell, Columbus  
 Krista Kay Keller Mercurio, Columbus  
 Patricia Ann Miller, Marion  
 Betty Gene Mohler, Napoleon  
 Tina Marie Mollica, Niles  
 Tracy Ashley Mollica, Worthington  
 Michele Johnson Mowrey, Columbus  
 Beth Marie Mumes, Willard  
 Sharon Lynn O'Brien, Dayton  
 Kathleen Ann Olivieri, Mansfield  
 Charles William Owens, Columbus  
 Sharon Owens, Columbus  
 Judith Bakies Parent, Lima  
 Leslie Sue Pfeiffer, Akron  
 Leah Ann Polis, Worthington  
 Brenda Christine Priest, Frazeeburg  
 Robert P. Pritchard, Westerville  
 Kim Michelle Ransome, Richwood  
 Barbara Jean Rarey, Columbus  
 Lawrence Edward Reams, Easley, S. C.  
 Debora Joan Reed, Shadyside  
 Susan Jane Reed, Columbus  
 David Alexander Reichert, Amherst  
 Rebecca C. Ries, Columbus  
 Lisa Kay Roebuck, Lima  
 Deborah Smilges Rudy, Columbus  
 Mark George Ruple, Ashtabula  
 Paul N. Ryder, Columbus  
 Lorri Ellen Samberg, Cleveland Heights  
 Marcie Gabrielle Seybert,  
 Cleveland Heights  
 Lori Lee Shaffer, Avon Lake

Tova Shapiro, Fort Worth, Tex.  
 Carol Lynn Sheneman, Fresno  
 Alexandra Shephard, Bay Village  
 Heidi Evans Shipe, Worthington  
 Connee Sue Shocksneider, North Canton  
 Ellen Anita Sickman, Columbus  
 Penelope Eileen Simmers, Newark  
 Kristine Marie Simon, New Holland  
 Tracy Skistimas, Sylvania  
 Patricia Ann Skrobot, Reynoldsburg  
 Susan L. Smith, Orlando, Fla.  
 Lori Ann Stan, Columbus  
 Phillip Kevin Stevens, Cortland  
 Marvinn Ray Steyer, Delphos  
 Diane Jeanne Stoker, Columbus  
 Brenda Ruth Stover, Celina  
 Jean E. Stuckert, Bucyrus  
 Bridget A. Sutton, Galion  
 Lynn Tarazewich, Dallas, Tex.  
 Nancy Jane Vandayburg, North Canton  
 Pamela Andrews Wallake, Rocky River  
 Judith Rausch Warner, Findlay  
 Michael George Watkins, Lima  
 Sylvia Darlene Welker, Columbus  
 Teresa Lynne Wharram, Austinburg  
 Cathy Massie White, Washington C. H.  
 Valerie Evelyn White, Bucyrus  
 Carol Stephenson Wiggins, Bellville  
 Deborah Jeanne Wilson, Columbus  
 David Allan Wollenhaupt, Delphos  
 Robert Alan Wood, Bellville  
 Gary Edward Yunker, Columbus  
 Richard Charles Zath, North Olmsted  
 Hana Zimmerman, Columbus

**Bachelor of Art Education and  
 Bachelor of Music Education  
 degrees are offered jointly by the  
 College of the Arts and the  
 College of Education.**

Candidates are listed under  
 College of the Arts.

## College of Engineering

Dean: Donald D. Glower

**Bachelor of Science in  
 Agricultural Engineering**

Michael Anthony Brusky, Avon Lake  
 Gene Joseph Cardi, Fairview Park  
 Frank Urban Yuhasz, Lorain

**Bachelor of Science in  
 Ceramic Engineering**

Eugene Joseph Onesto, Columbus  
 John Martin Price, III, Columbus  
 James Anthony Wolford, East Sparta

## Bachelor of Science in Chemical Engineering

Richard Alan Eichhorn, Columbus  
 Alan Joseph Fletcher, Columbus  
 Luong Thien Tran, Louisville, Ky.  
 James Rick Vangeloff, Youngstown

## Civil Engineer

Barry A. Cik, Cleveland Heights  
 Farid Sadeghipour, Columbus

## Bachelor of Science in Civil Engineering

Ayman Yousef Al-Barqawi, Jordan  
 Mohammed Ahmed Binnahfooz,  
 Saudi Arabia  
 Rhoda Fun Lan Chu, Columbus  
 Michael James Clancy, Upper Arlington  
 Randall James Crowell, Wooster  
 David William Farrell, Geneva  
 Kathryn Adel Hamilton, Columbus  
 Tony A. Hanna, Lebanon  
 Leonard R. Linn, Westlake  
 Thomas James Manahan, Jr., Toledo  
 Mehdi Nilforoushan, Isfahan, Iran  
 Gary Michael Nuss, Columbus  
 Cheng Huat Ooi, Malaysia  
 Kevin E. Putman, Payne  
 Michael Walter Rehmet, New Knoxville  
 Keith David Roberts, Ottawa  
 Fouad Safieddine, Lebanon  
 Jawad Siddiqi, Pakistan  
 Edward Scott Sondles, Reynoldsburg  
 David Douglass Stirrett, Harrison  
 Philip Charles Sutton, Convoy

## Bachelor of Science in Computer and Information Science

Thomas Stanton Carpenter, Columbus  
 Kevin Bryan Copeland, Worthington  
 Thomas Wayne Holbrook, Columbus  
 Kevin L. Kanning, Columbus  
 Ronald Pettersen Montgomery,  
 Worthington  
 Eric W. Osman, Columbus  
 Michael Philip Stovsky, Columbus

## Electrical Engineer

Akbar Hariri-Marand, Columbus  
 Arthur Lee Haywood, Dayton

## Bachelor of Science in Electrical Engineering

John Eugene Baranski, Cedar Knolls, N. J.  
 Thomas Nelson Bishop, Zanesville  
 Michael Bohus, Lansing  
 Keith Robert Broerman, Cincinnati  
 Michael Keith Burns, Findlay  
 Anthony Everett Cea, Columbus  
 Amy Lynn Cowan, Urbana  
 Gary Michael Crawford, Vandalia  
 Thomas Michael Damanti, Sandusky  
 Felicia Faye Ferrighetto, Avon

Douglas Richard Harmer, Columbus  
Jamal Jamali, Columbus  
David A. Leonhardt, Worthington  
Joe Neal Mellencamp, Seymour, Ind.  
John Andrew Milford, Dallas, Tex.  
Gregory Murden, St. Louis  
David James Needham, West Chester  
Keith Richard Phillips, Springfield  
Todd Michael Quinn, Elyria  
Raymond Craig Ramsey, Columbus  
David Scott Roberts, Peoria  
Rajinder Paul Singh, Reynoldsburg  
Mary Louise Schopper, Columbus  
Barry Lee Skaggs, Grove City  
Gregory L. Stine, Englewood  
Paul Franklin Swetnam, Columbus  
David Richard Swinehart, Tallmadge  
Margaret Christine Tauscher, Columbus  
William Edward Thomas, II, Akron  
Thanh Tien Vu, Columbus  
Kenneth Jay Ward, Dayton  
William James Williams, Plain City  
Chiew Wai Wong, Singapore

#### **Bachelor of Science in Engineering Physics**

Jeffrey Lee Havens, Fremont  
Michael Joseph Toll, Delaware

#### **Industrial Engineer**

Paul Leslie Beck, Perrysville  
Miné Nimet Boskir, Orrville

#### **Bachelor of Science in Industrial and Systems Engineering**

Thomas Robert Anderson, Euclid  
William Carroll Burkett, Columbus  
Donald Jay Campbell, Dayton  
Stephen Anthony Cotter,  
Highland Beach, Fla.  
Jeffrey Randall Denbow, Worthington  
Cynthia Louise Hoop, Pittsburgh, Pa.  
Jeffrey Alan Joachim, Reynoldsburg  
Stephen Eugene Kaufmann, Reynoldsburg  
Richard Mark Lauer, Columbus  
Alan Robert Lipp, East Palestine  
Jacob Thomas Martin, Tiffin  
Niki J. Pissinou, Kzodhia, Cyprus  
Jeanne Lynn Porter, East Liverpool  
Kevin R. Rudduck, Columbus  
John Sczesny, Fostoria  
Randolph George Strang, Cincinnati  
Kevin Scott Zellers, Pataskala

#### **Bachelor of Science in Mechanical Engineering**

Edward Michael Boardway, Granville  
Donald Eugene Bowdle, Chillicothe  
Larry Thomas Brehm, Aurora  
Larry Walter Brim, Kenton  
David C. Dick, Whitehouse  
Markus T. Farrenkopf, Columbus  
David Paul Foster, North Canton  
Charles Eugene Frost, Lima  
Gary Lee Gerdeman, Columbus Grove

Phillip James Gordon, Naples, Fla.  
Ronald D. Houk, Columbus  
John David Klopfer, Reynoldsburg  
Robert Neil Kody, Columbus  
Steven Douglas McMahon, Dresden  
Gregg Richard Mewhinney, North Canton  
Doliver Keith Napier, Shiloh  
Long Trung Nguyen, Columbus  
Jennifer Lynn Odor, Columbus  
Dianne Marlene Parker, Kingsville  
Mark Alan Rinckel, Memphis, Tenn.  
Leon Charles Saul, Wauseon  
Joseph Donald Seranton, Columbus  
Paul David Smith, Columbus  
Kurt Thomas Theiler, Toledo  
Dennis Lee Tollett, Shadyside  
Timothy Elmer Vorst, Columbus Grove  
Bobby Lawrence Webb, Dayton  
Donald Martin Weber, Parkersburg, W. Va.

#### **Bachelor of Science in Metallurgical Engineering**

Patrick Michael Mizik, Caldwell

#### **Bachelor of Science in Mining Engineering**

Mark Alan Dobson, Gallipolis

#### **Bachelor of Science in Surveying**

Richard Norman Boisseau, Columbus  
David Denton Martin, Jr.,  
Morristown, Tenn.

#### **Bachelor of Science in Welding Engineering**

Larry Don Henke, Columbus  
James Brian Jackson, Columbus

#### **School of Architecture**

#### **Bachelor of Science in Architecture**

Gregory John Burke, Columbus  
Kevin Garrett Leo, Bay Village  
Robert Lawrence Manca, Columbus

#### **Bachelor of Science in Landscape Architecture**

Erik Leslie Hanson, Columbus

## **College of Law**

Dean: James E. Meeks

#### **Juris Doctor**

Nancy J. Alecusan, Canton  
B.A.

Carolyn N. Bell  
B.A.

Thomas M. Crews, Bay Village  
B.A. (Capital University)

Dennis G. Day, New Boston  
B.A.

Cassandra Hicks, Walterboro, S. C.  
A.B. (Johnson C. Smith University)

Timothy E. Jones, Albany, N. Y.  
B.A. (University of Virginia)

Barbara J. Beacham, Tuscaloosa, Ala.  
B.A. (Stillman College)

Stephanie Lin Mesner, Ashville  
B.A. (Cedarville College)

Marilyn Leigh McConnell, Chagrin Falls  
B.A. (Miami University)

Nina Marie Najjar, Westlake  
B.A. (John Carroll University)

Israel Perez, Jr., Miami, Fla.  
B.A. (Florida International University)

Deborah Ann Tabacco, Warren  
B.A.

## **College of Medicine**

Dean: Manuel Tzagournis, M.D.

#### **Doctor of Medicine**

Genie Marie Adams, Youngstown  
B.S. (Youngstown State University)

Patricia Gensel Bucher, Massillon  
B.S.

David Kinnaird Johnson, Cincinnati  
B.A. (Miami University)

Douglas Alan Kuperman, Xenia  
B.A. (University of North Carolina)

Paul Christopher Levy, Worthington  
B.S.

Deborah Lyn Mencer, Clinton  
B.S.

Charles Paul Prezzia, Wellsville  
B.A. (Amherst College)

John Robert Shuptrine, Toledo  
B.A. (University of New Hampshire);  
M.S. (Georgetown University)

Ella L. Toombs, Columbus  
B.S. (Chicago State University)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Nancy Marie Asimus, Cincinnati  
Eleanore Jean Baer, Columbus  
Yvonne Kampmeier Berecz, Marietta  
Leslie Carol Bryant, Bridgewater, N. J.  
Lynnette Jayne Burns, Hillsboro  
Barbara Joyce Bush, Dayton  
Cathleen Denise Campbell, Columbus  
Paula Anne Clark, Upper Arlington  
Cynthia Lee Culler, Mansfield  
Tracey Marie Curry, Lima  
Judith Lynn Custis, Sabina  
Barbara Jane DeLong, Mansfield  
Deborah Sue Ellis, Tiffin  
Malinda Jane Feinauer, Columbus  
Reba Jo Ferguson, Cincinnati  
Cheryl Lee Fitch, Lisbon  
Beth Mindy Fluhr, Greenlawn  
Lori Beth Fogel, Kettering  
Elizabeth Joan Friesen, Cincinnati  
Barbara Susan Gentille, Crestline  
Melanie Joy Greene, Akron  
Lesia Marie Griffin, Coral Springs, Fla.  
Sharon Ann Gross, Buffalo, N. Y.  
Susan Elaine Grosse, Ravenna  
Mary Patrice Guthrie, Lima  
Julie Ann Hagen, Cincinnati  
Susan Lynn Hall, Maple Heights  
Lisa Anne Harper, North Canton  
Bonnie Mae Higgins, South Euclid  
Ann Horne Isaacs, Columbus  
B.A. (Wake Forest University,  
Winston-Salem, N. C.)

Constance LaVerne Johnson, Alliance  
Jane Andrea Johnson, Rolling Meadows, Ill.  
Molly Beth Jones, Powell  
Adele Louise Keim, Canton  
Suzanne Jude Kindig, Upper Arlington  
Kathleen Ann Kirchner, Youngstown  
Tracy Ann McCullough Kokiko, Galion  
Langley Marie LaMarr, Columbus  
Cecilia Diane Lehman, Xenia  
Debra Joan Maag, Kalida  
Mary Sara Masur, Cincinnati  
Theresa Ann McCafferty, Lakewood  
MaryBeth C. Merryman, Warren  
Catherine Marsden Metzger,  
Rochester, N. Y.  
Barbara Teresa Meyers, Grafton  
Debra Ann Monnin, Maple Heights  
Michael William Pappas, St. Clairsville  
Carolyn Sue Rehm, Orrville  
Sylvia Kay Rex, Ada  
Ann Michelle Rosenfeld, Seaford, N. Y.  
Elizabeth Marshall Rummel, Columbus  
Judy Liber Scheinbach, Toledo  
Loretta Fratino Schoeppner, Columbus  
Anne Marie Schreier, Johnstown  
Eunice Marie Seemann, Whitehouse  
Pamela Marie Seretny, Columbus  
B.Art Ed., B.F.A.  
Kristina Marie Shaw, Upper Sandusky  
Margaret Alice Sidwell, Columbiana

Susan Lee Smith, Philadelphia, Pa.  
Susan Marie Sombati, Akron  
Nancy Joan Sommers, Colerain  
Deborah Ellen Spencer,  
Hendersonville, Tenn.  
Jacqueline Kay Swagert, Massillon  
Camille Tareshawty, Youngstown  
Donna Jean Toncar, Maple Heights  
Kimberly Ann Vasko, Akron  
Beverly Jean Voss, Findlay  
Vivian Renata Waldon, Atlanta, Ga.  
Cheryl Ann Withrow, Middletown  
Kimberly Anne Wood, Loveland

### Certificate of Post Baccalaureate Medical Technologist

Dory Paul Levy, Dallas, Tex.  
B.A. Music (University of Texas)

## School of Nursing

### Bachelor of Science in Nursing

Kathryn Louise Alben, Canton  
Barbara Jean Anderson, Van Wert  
Beth Barber Dougherty, Johnstown  
Linda Sue Kovac, Rocky River  
Pamela Ann Kuehner, Columbus  
Marilyn Niehaus Macomber, Columbus  
Mary Joy Marquard, Rocky River  
J. Kim Martin, Mansfield  
Rosemary Kiesel Mills, Tiffin  
Edward Francis Mitzel, Youngstown  
David Alan Narance, Marion  
Lorrie Jean Oldham, Cleveland  
Lisa Diann Ours, East Liverpool  
Valencia Camille Proa, Cleveland  
Pamela Sue Purcell, Highland  
Marsha Lynn Shear, South Euclid  
Bryenne Ann Stocker, Gnadenduhett

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

David Lawrence Basinger, Cincinnati  
David Richard Berger, Hannibal  
Kimberly Louise Like, Lima  
Marilyn Adelia Martin, Columbus  
Dorah Bassey Ukim, Uyo, Nigeria  
Jeannette Jarvis Webb, Columbus

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

James Francis Caruso,  
Wappinger's Falls, N. Y.  
Karen Fraser Ostrowski, Boardman  
Colleen Ann Gannon, Medina

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

**Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

**With Distinction in Occupational Therapy**  
Eunice Marie Seemann

**With Distinction in Parks and Recreation Administration**  
Debra Lynn Griest

**With Honors in Liberal Arts**  
Katherine Elizabeth Body  
Sandra Huggler  
Rebecca Motil McCormish  
Robin Rebecca Rader

### Cum Laude

Philip T. Anglim  
Kimberly Jo Barnhart  
Nancy Lynn Barr  
Ann Margaret Beaudoin  
Linda Marie McMillen Bevan  
Patricia Gensel Bucher  
Karen Ann Cairo  
Robert Paul Carlisle  
Barbara Helene Carlson  
Cynthia L. Carpenter  
Kimberly Sue Cline  
John Michael Doyle  
Dixie Anne Depew

Darlene Marie White DePouw  
 Mary Lisa Edwards  
 Mark Alexander Elam  
 Janet Lee Ellis  
 Reba Jo Ferguson  
 Carl Edward Franklin  
 Dana Richard Gibbs  
 Kathryn Adel Hamilton  
 Patricia Ellen Johns  
 Allison Michelle Jones  
 James Philip Jones, Jr.  
 Molly Beth Jones  
 MaryAnn Keffler  
 Beverly Byers Kelly  
 Pat Richard King  
 Rodney Alan King  
 Susan Marlene Kinsley  
 Sheila Fox Kline  
 Janice R. Lanier  
 David Marshall LaRue  
 Elizabeth Ann Law  
 Thomas S. Leggett  
 Donald Bauer Lewis  
 Mary Walker Louis  
 Sally Wood McCarley  
 Kevin Kelly McGuinn  
 Alane Sue Megna  
 Patricia Ann Miller  
 Valerie G. Miller  
 Edward Francis Mitzel  
 Rebekah Sue Packard  
 Judith Bakies Parent  
 Jeff Allen Powell  
 Monica Gabriel Powell  
 John Clayton Powell  
 David A. Sands  
 Loretta Fratino Schoepfner  
 Larry Schofield  
 Kristina Marie Shaw  
 Alice Sidwell  
 Kristine Marie Simon  
 Brad Steven Staats  
 Pamela Andrews Wallake  
 Jean Kennedy Warner  
 Sherry Joyce Wells

**Cum Laude with Distinction in  
 Agricultural Economics**  
 Nancy Lida Nower  
 Mark Harold Sanborn

**Cum Laude with Distinction in  
 Environmental Interpretation**  
 Louis Robert Dispenza

**Cum Laude with Distinction in Horticulture**  
 Lori Ann Cunningham

**Cum Laude with Distinction in Nutrition**  
 Jerald Howard Simmons

**Cum Laude with Distinction in Economics  
 and with Honors in the Liberal Arts**  
 James Paul Monast

**Cum Laude with Honors in the Liberal Arts**  
 Daniel Lewis Barber  
 Connie Jane Campbell

**Cum Laude with Distinction in Physics  
 and with Honors in the Liberal Arts**  
 Philip Keller

**Cum Laude with Distinction in Biophysics  
 and with Honors in the Liberal Arts**  
 Shawn C. Berry

## **Summa Cum Laude**

Lisa Michelle Barnette  
 Kathy Crawford Blackstone  
 James Robert Boughner  
 Keith Robert Broerman  
 Anthony Edwin Goldberg-Rugalev  
 Jeffrey Lee Havens  
 Lou Ann Hotchkiss  
 Leland Homer Hubbell  
 Rita M. Killigrew  
 Kim Marleen Kossmann  
 Alice Hart Krull  
 Elizabeth Louise Lynch  
 Peter John May  
 Debora Joan Reed  
 Robert Neil Stambaugh  
 Joseph Wayne Thompson  
 Gary Matthew Westfall

**Summa Cum Laude with Distinction in  
 Environmental Communications**  
 Bonnie Dorsey Reilly

**Summa Cum Laude with Distinction in  
 Environmental Interpretation**  
 Tracy Ann Rice

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 10, 1981

The Board of Trustees met at its regular monthly meeting on Thursday, December 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

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December 10, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J. Smith, John D. Jacob, D. James Hilliker, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

President Jennings:

Mr. Chairman, we've got a variety of presentations. I would like first to recognize Mike Gerald's presence, Chairman of the Faculty Council. Mike, have you got any comments for us?

**COMMENTS - MICHAEL C. GERALD  
CHAIRMAN, FACULTY COUNCIL**

Professor Gerald:

I'm glad you asked that question, Mr. President. On behalf of the University faculty, I wish to extend my thanks to the members of the Board of Trustees, the President and the staff, the Provost, our vice presidents and our deans for their individual and collective efforts in securing for the faculty an equitable salary increase in these very difficult times.

In another matter--in response to the charges by the President, the Provost, and the University Senate Steering Committee, the faculty is making steady progress in its efforts to formulate rules for the termination of tenured faculty. The rules we seek to develop must safeguard both the tenure system and the individual faculty member while permitting the University to respond appropriately to financial exigencies or academic considerations.

Just an aside if I might. I'm fortunate in having probably one of the best secretaries on this campus--I will not tell you her name; I don't want her taken away from us. But as good a secretary as she is and an outstanding typist as she is, when she was typing the rules committee for me, she instead typed 'fules' committee, and I'm not sure she is trying to tell us something here.

The report of the Ad Hoc Faculty Committee on the Release of Tenured Faculty--chaired by Professor James Garland of the Department of Physics--has been released, and through the kind offices of Provost Reynolds, copies have been distributed very promptly to all University faculty for their scholarly analysis.

The Senate Steering Committee has created and charged a Select Faculty Rules Committee--chaired by Professor Glen Schmidt of Dairy Science--with the responsibility of transforming the Garland report into rules. To achieve this end, Faculty



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**COMMENTS - MICHAEL C. GERALD  
CHAIRMAN, FACULTY COUNCIL (contd)**

Professor Gerald: (contd)

Council--in cooperation with this Select Rules Committee--will be conducting an open faculty hearing on the 21st of January--and what they will attempt to do is to receive positive and negative comments on this report from Senate committees and other University committees, as well as from individual faculty members. We hope to take this information on the 21st of January and use it for the incorporation of rules. We are responsive to the need for us to move expeditiously in this rule formulation process and we are endeavoring to do so.

With your kind indulgence, I hope to keep the Board apprised of our progress in this regard. I would like to share Dean Kottman's wishes for a pleasant holiday season and a happy new year. Thank you.

President Jennings:

Thank you, Mike, I think it very important to note that the faculty is getting deeply involved in this issue, and I look forward to their development of this. I think we should all be encouraged as the faculty has taken a bit by the horns here and are going to establish, I believe, a very substantial policy to maintain academic freedom in this institution, and it should be a faculty discussion in great depth on this. And I'm sure that we're going to be able to get a policy that this institution will be much better off with in the unlikely event that we should have financial exigency, but we at all times have to be prepared for that potential eventuality.

Mr. Chairman, I would like at this time to call on Provost Reynolds, who will introduce our Chuck Csuri to give you a presentation on what we're doing at Ohio State in computer graphics.

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**INTRODUCTION OF CHARLES CSURI**

Provost Reynolds:

Thank you very much, President Jennings. Charles Csuri was an All American football player, a tag which will follow him all his life, and unlike most of us, he weighed more in college than he does now and was chosen by his teammates as the most valuable player on Ohio State's first national championship team in 1942. He is professor of art education and computer and information science, and, rather unbelievably to all of us, he's been on our faculty for 35 years. His work has been supported by the National Science Foundation for the past twelve years. He has also received grants from the Air Force Office for Scientific Research, the Ohio Arts Council, the Bureau for the Education of the Handicapped, the Department of the Navy, and subcontracts from HEW and DARPA projects. His total research support approximates \$2,225,000 for these various projects over these last years. He is also a first-rate artist.

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### INTRODUCTION OF CHARLES CSURI (contd)

Provost Reynolds: (contd)

Professor Csuri is known for his pioneering efforts in computer art, and his computer animation won a major prize at the Fourth International Experimental Film Festival in Brussels, Belgium. He has an animated film in the collection of the Museum of Modern Art and other computer works in the Institute for Contemporary Art in London, England. He has been on the editorial board of several major journals in this field, including the *Journal of Computer Graphics and Image Processing*, *Computer Studies in the Humanities and Verbal Behavior*. In 1974, he was one of fifteen Americans invited to present at the International Federation of Information Processing Societies in Stockholm, Sweden. He has also served as a consultant for Boeing Computer Services and the Boeing Aerospace Company, and these are just a few of his selected activities.

Professor Csuri's computer graphics have been shown on prime television time in Japan. In this country, his work has appeared twice on the Today Show, NBC News, ABC News, and PM Magazine. Next Spring, segments of his work will be aired on Walter Cronkite's CBS Universe, and on a Walt Disney special on science fiction.

I very much am pleased that Professor Csuri could present to you this day some of his work and its applicability to all of the missions of this University--teaching, research, and service. And I hope if we can have adequate time for it during the winter and spring months, we will endeavor to bring to the Board other ways in which the University is reaching out on the edge of technology in fulfilling its mission. Professor Csuri.

### COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI

Professor Csuri:

Thank you very much, Ann. I feel compelled to say there's life after football. What I would like to do is show you a relatively short video tape that would provide you with examples of the application of this technology to art, medicine, science, and to some extent to business. And perhaps what we should do is look at the video tape first, and then I would like to make a few comments about it. I will also narrate the tape. I guess I had better start it.

Now the work comes really from several different universities. This work was done at Ohio State, and you would have to realize that this picture has never existed as an object. It was generated mathematically. We simulated a lens on the right hand side and computer programs had to be written to calculate light source, perspective, reflection, and all of the cues that one would associate with the so-called real world object. This animation is going to be included in the Walt Disney special next spring. It is very exciting to see a bright, young graduate student put something like this together. And I think the pictures and the animation compares very favorably with anything that's been done in the field of computer graphics in this country and perhaps in the world.

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Professor Csuri: (contd)

One of the applications is to the field of architecture. The data was generated at Cornell, and they were showing a board of trustees how you could position a building before it was actually constructed, and by taking the architect's drawings you could do a simulation of the building, move it around campus, through buildings for that matter so we don't have any physics involved here, and to get some feeling for the orientation of the building relative to the rest of the campus. And one, of course, if you have the data, you can also show the interior structure of the building before it is actually built--which has a lot of potential for complex urban development projects.

We did this at Ohio State. This is a city that we simulated. We wrote programs to grow buildings rather than read coordinates, and within a week we were able to put together a data base of about two thousand buildings. And here we are going at a fairly fast rate of speed through the environment before it is built. This also has great possibilities for urban planners. This is also done at Ohio State by my associate Frank Crow, and it's simply a demonstration program showing our capabilities to make pictures to control visual information.

The first segment was done at the University of California, San Diego. It's a simulation of the human brain where they took a brain and made slices through it, and picked off coordinates off each of the slices, entered that into the computer, and then this gave the researcher or possibly the physician to look at neurophysiology. The film is much longer, but this is just the introductory part of it.

We did a simulation at Ohio State of a beating heart. It's not real data, but we were interested in motion control, and we took slices and put this together. One could take a computerized tomography, the X-ray scanning, and do that kind of thing.

The following material has been done at Ohio State. Out of Professor Robert McGee's project, we did this computer animation for him. The mathematics were built into the robot. It's a zero gravity vehicle. I find it absolutely fascinating the way that it moves. It's like a creature. And this is a robot arm. Again, somebody had to figure out the physics, and they gave us the control points. We, of course, with our software were able to display this thing.

At Ohio State, one of our graduate students is working on this dissertation work. The skeleton is being controlled by subroutines. He wrote a program where he had to build into it the control of the hips, the legs, the arms, and somehow figure out how to coordinate that.

Again, another item that we did at the University for the military illustrating how we can create very complex data and doing a simulation. Obviously, the Army is very interested in stuff like that.

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### COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Professor Csuri: (contd)

Flight simulation--we've been fortunate to have quite a bit of support here. The computer is updating a graphic display screen at 30 frames per second, so that it looks like it is a real scene and gives you all the visual cues as if you are in that environment--an extremely valuable tool to teach pilots about flight maneuvering.

And this is a simulation of non-real time. We calculate the pictures. Our task was to be able to come up with techniques to make mountains and trees and roadways, and then we simulate a takeoff. And since we are not really pilots, we want to make sure we can get off the ground, and we take off in a hurry. Again, this is our work of a flight simulator and every amateur pilot wants to fly under a bridge and that's what we did.

This is done by a fellow who is now working for George Lucas of Star Wars fame. This is a computer simulation. These mountains never existed and it is just amazing how people are now able to simulate so-called reality.

We don't have a great deal on education. That was work done at Ohio State by Professor Thomas Linehan.

The following is work from Lawrence Livermore and is a nice example, I think, of how the scientist can use computer graphics to validate or verify their model. And computers are so great at turning out numbers, but it becomes quite another matter to try to understand what those numbers mean. And so for the research scientist, it is extremely valuable to get a graphical display, and even better, to get time-dependent phenomenon illustrated, and by looking at this, obviously, he is knowledgeable about the behavior of these models. He can get a good idea of how his statistics or his data is working.

Work done at Ohio State on astronomy, interacting galaxies where the physics were built into the model. You had to worry about gravity and mass, and I find this absolutely fascinating in the way it makes this spiral galaxy. And, of course, they validate the data by comparing it to so-called real photographs of the universe.

Again, the Department of Geography and Harold Moellering's work in cartography--showing through graphically an innovation--the dispersion of the tractors through the United States--that's the center section of the United States.

I think it is this kind of material that gives people a much better conceptual grasp of what the data is doing. I look at this and I still cannot believe that this never existed as a physical object--it's completely a computer simulation done at Lawrence Livermore Laboratories--it's dealing with molecular structure. And with computer technology, you can also slow time down so to speak and be able to study the phenomenon. This is a marvelous research and teaching tool.

**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Professor Csuri: (contd)

This is a little more complicated to explain, but I will try. A system at MIT that shows the use of computer graphics technology in an application to a complex data base. The picture on the screen represents items in the data base, which happens to be the MIT campus, and it was organized hierarchically, and the user moves through the environment by controlling a cursor, that little block that is moving around the screen, and then they can enter a part of the data base. They went into the Administration Building and then with the cursor they can indicate what person they want to know about. In this instance, it was the President of the University. And then tagged on the data base automatically is a sound track. Now he is going deeper into the space, getting additional information. The sound and pictures again are arranged hierarchically. When you hit a node, then it invokes that particular picture of that sound track. Now he is coming back out of the space, computers keeping track of their location in space. And I think it is a rather revolutionary way of looking at information, and really what we are talking about is how we organize the information, and how we access it. Instead of going through all kinds of manuals, you can store this information on video discs. And now I want a factual profile of MIT, and we go into that item, and it gives me some information about the degrees, the degree programs, and possibly the cost at MIT and so forth.

We made this for the University. You may have seen it on regional television; once in a while on national TV. We received the contract through the Research Foundation and did this for Channel 10. It was on TV all of last year. Again, because we represent things as a three-dimensional structure, we can change the viewpoint very arbitrarily and move about it as if it were a real physical object. The software for this was developed by Professor Frank Crow in our computer science department, who is my associate director, calculating the highlights and the transparency, figuring out the mathematics to do that. We developed the system here at Ohio State that made this possible and the programming was used to produce this animation sequence in Star Wars. This was done under a National Science Foundation project. That is the basic system that made this possible. And what we are talking about is the animation that appears in the distance in the scene--the linear graphics.

And this is more recent work here at the University simulating a space station from the imagination, landed, and now we need to go inside and explore it. And one of my graduate students put the data together and did the animation. A simulation of the galaxy that we did. Again, this is an example of the kind of control we have--we can make those spheres go in any kind of a direction, bringing together to form a structure, and going inside of the structure.

I think that is the end of the video tape. I think I would just like to make a few comments. I think what we're looking at really is a new and very powerful communication tool. It can be used for science, for education, for art and entertainment; it can be used for medicine. And I think one of the things that very few

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Professor Csuri: (contd)

people realize is that the field of computer graphics today is a \$2.3 billion industry. We're talking about hardware and software. By the middle of this decade, projections are that it will be a \$7.5 billion industry--just in four years. It is absolutely phenomenal in terms of how this technology will be used, I think, in almost every aspect of society. And my own bias is that I think that we have a tremendous resource here at the University in our computer graphics research group. I think the software we have developed represents years and millions of dollars in research and development.

And, I think that the greatest thing that the University has going for it are its graduate students, and it is really the bright, young graduate students that make this kind of thing possible. And it has really been very exciting for me to be involved in working with young people.

This is obviously a high technology area, and I think it has tremendous implications for business and the economy of Ohio. For example, I think that we have a great deal of knowledge and a great deal of information, but we don't have the mechanism with a structure really to deal with the kinds of requests we are getting from the business community. For instance--just basic information about computer graphics--there are people who would like to have workshops and even some companies are willing to subsidize internships involved in university programs, but we don't know how to do it. We don't have that set up. We could be involved in the licensing of software. We get requests all the time for the software, but we don't know how to address questions like that. I don't have the time; I mean, it's hard enough for me to keep track of my purchase orders, you know, let alone these other things.

I think the potential of the technology is so great and with the projections about its growth that I personally have cut back to 50 per cent time in the University and 50 per cent of my time I have devoted to establishing a Computer Graphics Company here in Columbus, Ohio.

I think that the technology has great implications for academic programs. There are many faculty and graduate students who would like to take courses, who would like to have access to software that they can use in their programs. The College of Education, for example, would like to use this for teaching youngsters concepts in math and science. A professor in astronomy would like to have our display algorithm so that he can display the results of his experiment, but so far we haven't figured out how to coordinate some of that stuff and to really provide this technology to even our own faculty. It's a bit of a problem.

And, I think that--I gave a talk for a Battelle Endowment Lecture series. I was really very surprised at the number of people who showed up at that lecture. I guess we had about a thousand people, and my phone has been ringing off the

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Professor Csuri: (contd)

wall; students wanting to take courses, wanting information, and I can't handle it. I'm inclined to believe that by the end of this decade, depending on the kinds of decisions this University makes, we could have three hundred majors in computer animation, fifty graduate students involved in that kind of thing not to mention how the computer science program could go. My feeling is that we have tremendous momentum in this area at the present time. We have the projects and talent in position to advance the state of the art further. This is where we are today. I think in five years, we may look back at such and say, 'That was the stone age. This was very primitive.' Technology has a way of really moving very rapidly. In fact, that's one of our problems that it moves so fast that, as a very complex institution, we have difficulty in knowing how to respond to that kind of thing. It's not just Ohio State, but I think it's institutions in general. Well, perhaps some of you have a couple of questions or comments.

Provost Reynolds:

I would just like to say very quickly, 'Thank you, you who have advanced the technologies so rapidly, and you do pose a challenge for us at the University to catch up in our ways of enabling students to have access to this and enabling you to flourish with this rapidly moving field and in making sure that we continue to be at this forefront.'

President Jennings:

This is absolutely incredible! It does demonstrate really what a university, I think, is all about as we heard from Roy a few minutes ago about a research project on cattle, and now we have in a wholly different field another presentation on the state of the art in computer graphics. Any one of these particular areas could revolutionize a particular industry in how we go about that. We've been thinking about building buildings at this University now with the legislative appropriation, it's just fascinating to see the architectural work of moving that about.

We're going to have later on today some preliminary looks at placement of a building on this very campus which will be undoubtedly complex and to have that type of thing. I really think what Chuck is also emphasizing is not only the transfer of that, but the enormous rapidly moving dynamics of whether it's this field or any other field in the institution. How, indeed, whether it's five years or ten years, it's still going to be a very short period of time or even when it's fifteen years, Chuck, I think we can virtually guarantee that this will be stone age stuff in a very short period of time. Even if it were fifteen years from now, Chuck, our freshmen at this institution are only going to be about thirty-five years old when that occurs.

Ann introduced you as playing football. When you were playing football, this was science fiction and radical science fiction, and it'll happen again. It'll happen again and again. When you did the flight simulation, I saw Dick over there. That's

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

President Jennings: (contd)

going to totally revolutionize your program--your flight training program. It probably already is in the process of that. Just absolutely incredible! And that's really what our joint mission of the creation of knowledge and the dissemination of knowledge is really all about. I just really liked this outstanding presentation and hope that we can, as an institution--hope that we are up to the challenge to keep the momentum going here in this.

Professor Csuri:

Well, thank you. I'd just like to thank the Trustees and President Jennings and Provost Reynolds for this opportunity. Thank you very much.

Mr. Smith:

You say it's a quickly advancing technology, and I just wondered how you keep up in your research equipment?

Professor Csuri:

Well, we have been very fortunate at this institution that a number of years ago the administration recognized that we had potential and provided us with some special computer facilities. Now that was a great beginning. Now, what we have been, in my group, able to do, we have been able to acquire more equipment through federal grants. That's becoming increasingly difficult, but we've been able to buy peripherals, more memory, more processors of one kind or another, and we have a Navy project right now where we are designing some computers that will probably be temporarily state of the art, okay. So we're very fortunate in that we have a good track record, and we've been able to acquire a lot of federal funding, and we have the tools and the opportunity to do it. It is not easy. I think for the young faculty member on this campus, it's incredibly difficult to get research support. I'm an old war horse. I'm part of the woodwork, and I've been here a long time and people sort of know me in federal agencies so I have an easier time of it. I'd hate to be a young professor, an assistant professor, trying to find money for memory or for computer. It's not easy. It's really hard.

President Jennings:

The answer is we don't keep up with the state of the art equipment. We're seeing a \$2 million allocation for equipment. Our estimates are that we need \$50 million just to catch us up to the state of the art equipment, and then a recurring budget item in today's dollars of \$12 to \$15 million annually that we are short. The answer is, Chuck is, but the basic answer is, institutionally we don't keep up with the equipment.



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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Dr. Jacob:

It looks to me like this is sort of the tip of the iceberg--maybe the dawning of the age. I think that's even an outdated saying, but I think I hear some questions and concerns being raised about, you know, we happen to be in the forefront through a combination of good fortune and good people, but are we going to be able to keep doing this. And maybe, Chet, going back to what you were saying at lunch, maybe there's something that we should do from an organizational or management point. We can't just stand back and throw money at it.

Professor Csuri:

Well, I would like, perhaps, to say the obvious. I'm sure you gentlemen already know it. I think those of us that are involved with high technology, whether it be genetics or computer technology or a number of other things, and because of the growth of these areas, the commercial potential, there are really some very powerful forces pulling at us trying to pull us out of the University. It's a tremendous source of conflict, I think, particularly for someone like myself who's been in the institution for 35 years, and there's a lot of emotional attachment and a lot of service, and you don't want to give that up, but these forces are getting tougher and tougher, and it's going to be particularly difficult for a young faculty member to resist that.

Dr. Jacob:

Well, getting back to lunch again, are there maybe some heretofore untried ways of organizing or working with industry rather than just letting them pick off our good people or our good programs?

Provost Reynolds:

May I just respond on that quickly, and thank you for asking that question. It's a question I had hoped would be asked about this because we just happen--Professor Csuri is one individual; we have others in the College of Engineering, others in the College of Biological Sciences, and we have to figure out some ways to work cooperatively with our industrial colleagues in finding ways to support them. Now, Dr. Csuri is too nice to tell us in this setting; he mentions his equipment has been very good, but do you have one computer sitting on a computer floor? I don't think so. Do you have any computer floor you're working on?

Professor Csuri:

No, we don't have a raised floor. We have wires hanging from the ceiling. It's an embarrassment for me to bring in our Japanese friends to come in and look at the Computer Graphics Research Group. We have all this PR to come in and see the environment, and it's a little embarrassing.

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Provost Reynolds:

But we are trying to begin to explore some ways of working with industry so that we can have some joint arrangements. It means a lot of things, and a lot of these things will have to be worked out with the Trustees, particularly in patent agreements and all kinds of things.

Dr. Jacob:

Well, just to wrap up, I guess, in the future, can research and service be expanded or redefined to maybe have a little more close working relationship with some of the other sources of financial support or equipment support or people support?

President Jennings:

I don't think there's any question. First of all, I've been very encouraged, particularly in the last few weeks of what the Governor recently did of bringing educators and industrial people together to--initially, the long-term objective is to get the relationship developed much more closely. The initial objective is to find out what we're doing now, whether it's Chuck or anybody else, and find out how to communicate that.

We've also, on campus, asked our Research Committee of the Graduate Council to address this very question of how we do that. I think financially that is tied up closely with the types of financial recommendations you're going to be receiving in the way of salaries and equipment when this budget item comes up, and I think we have to be doing all we can to bring these things together. And you really are seeing, John, you're dead right, the tip of the iceberg on this and particularly in the equipment and space area because it is not a matter of just catching up. We could catch up today. I could present, if we had the money, Ann, with \$50 million and she'd be out of date a year from now again or our faculty would. It's not a matter of just catching up. It's a matter of catching up and staying up. And the potential is enormous there. Much of this work now is interdisciplinary. It is not just computer scientists working on this. It is anywhere--from computer scientists to medical people, to sociologists to ag people--bringing those folks together is our great challenge in the future to not have any of these people work in isolation. That's an organizational issue as well. I can imagine you sitting there as an orthodontist having gone through this thing. There is a direct application of what will happen if on the computer graphics, but there is where you get a dental research person together and/or computer graphics--the interdisciplinary research, and we frankly are not organized in our institution or any institution to accommodate to that.

Dr. Jacob: Where do we go from here?

President Jennings:

We keep at it. That's right. You are bringing up something--we don't have good answers at this stage. Some of it takes money and some of it takes a change in

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

President Jennings: (contd)

philosophy and a whole change in attitude. It takes organizational structure, it takes attitude, it takes communication with industry. I don't think there is a simple, straightforward way to get at this. I think we get at this on all fronts. Money is a very limiting factor right now in a major way and we need to--

Mr. Devenow:

I would like to say, John, that I think one of the deficiencies in our country is--I think the word communication would be a tough word to use here--but it might not have the proper connotation but the relationship with a liaison between industry and the University is to develop a joint program in these areas and one of the problems is that other countries are doing it. Japan is doing it very rapidly; Russia is certainly doing it. We have got some kind of a failure here of connecting in that area. I would like to ask Dr. Csuri one question if I may. This must have tremendous military application. I would say--

Professor Csuri:

There is no question about it. In the flight simulator, for example, we have a contract now--it's about a \$260,000 project to show feasibility of an idea that we have about a flight simulator. If we are correct, and we are inclined to believe we are, eighteen months from now we could be talking to the Navy about a \$4 million dollar contract involving building a real time flight simulator. Okay. I don't know that we will get it. I am just saying that's one aspect. Now in terms of training devices, you could use this technology and store it on video discs--video discs being a medium where you can store 54,000 pictures and with a micro-computer you can have random access to it, and you can simulate war games or you can simulate how to repair a carburetor in a vehicle, let's say.

Mr. Devenow:

That's what I am getting at. There's a program that the government is involved in which will replace the Jeep. It's a new type of vehicle and it has to be able to operate under desert conditions, for example, because if there is a possible outbreak of war in the Middle East we will probably be in the middle of that. But it has to have other qualities. And by the time the bugs are worked out of this vehicle which is being bid on by three or four companies in the United States--by the time the bugs are worked out of this thing (by the way, it is an all-aluminum vehicle at this point) there will be millions and millions of dollars spent correcting mistakes, but look what a jump you could get on this kind of thing.

Professor Csuri:

I think that in the automotive industry with finite element analysis, where you--let's say put stress on a structure and through computer graphics display, it shows you in three dimensions--the stress points.

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**COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)**

Mr. Devenow: Right.

Professor Csuri:

It will make it red. It will tell you what point it will break so you can do a lot of nondestructive testing before you go to the trouble of making a physical prototype. Ultimately, you have to make the prototype, but at least you eliminate a lot of bad decisions.

Mr. Devenow:

Well, I'm delighted with the work you are doing. As one individual trustee, and we have got a chance to be leaders here, and I hope that what you are saying, John, and I hope that we can follow through or put the pieces together to do it. It is a question of money again.

Dr. Jacob:

But I would hate to see organization and traditional structure stand in our way if there is a way that we can--we have got all the management expertise that you could ever need if you could turn them loose and say 'solve this problem on an organizational basis.'

Mr. Devenow: Thank you. It has been very interesting. Thank you for coming.

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**REPORT - COMMISSION ON STUDENT ATTRITION AND RETENTION**

President Jennings:

Mr. Chairman, I also--now we move from an aspect of our institution from the creation of knowledge that we have just had a fine report, and now I would like to go into the second major function of this institution--the dissemination of knowledge to our students, and I would like to turn the meeting over to Provost Reynolds to introduce Professor Rosbottom who will talk to us about student attrition.

Provost Reynolds:

Over a year ago, I along with Vice President Kathryn Schoen had become very concerned about our perception that we had an untoward amount of attrition amongst first year freshmen and we felt that this issue was a serious one and we didn't have enough data about it to know the framework in which we were working, and we felt that we needed faculty insights and recommendations on this very, very important issue. To address this we appointed a Commission on Attrition and Retention, and we asked Professor Rosbottom, Professor of Romance Languages, to chair the Commission. Our original intention was that they would finish their report within the academic year. As any good faculty body will, they brought in their charge, their data, and came in with what I consider a very honest masterpiece. And Dr. Rosbottom is here today along with Mr. Michael Young from the Office of Finance and Planning to tell you about the final recommendations and the routes and paths the faculty group chose to take and what they now place before the administration and very appropriately put back into our purview for action. Professor Rosbottom and Mr. Young.

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**COMMISSION ON STUDENT ATTRITION AND RETENTION  
BY PROFESSOR RONALD ROSBOTTOM**

Professor Rosbottom:

I can't tell you how much I appreciate following this act. I would like to begin by introducing my colleagues who are here--all of whom were on the Commission but only some of whom are here. David Boyne, who is in the Department of Agricultural Economics; Jerry Reagan in the Department of Educational Foundations and Research; Jim Garland who came out of hiding to appear today--he is in the Department of Physics; Erika Bourguignon, Department of Anthropology; and John Hirth who is not here is in the Department of Metallurgical Engineering; also I would like to introduce John Savage who was our Graduate Administrative Associate, and who did most of the work of the Commission. The person who did the second most amount of work was Mike Young who is Director of the Office of Planning Studies.

Ann has told you that we were asked to discover if OSU had an attrition problem and if so to define it and to recommend strategies for remedying any perceived problem. I take it you have received copies of this report--gentlemen, I refer you to pages 8 and 9 which set up our charge to discover the attrition rate of baccalaureate students at The Ohio State University and to determine whether that rate is acceptable and then to discover and evaluate those aspects of the University environment--academic and non-academic--that are perceived to have a negative impact on Ohio State students. Most likely I think the establishment of this Commission was motivated by a desire to maintain the FTE at roughly comparable levels despite the indicated decrease in prospective students over the next twenty years. But as Provost Reynolds has said, this was a faculty commission--as such, a unique commission--to be asked to study such a problem as attrition and retention, and as a result we concentrated on educational quality rather than primarily on enrollment levels in a purely fiscal sense.

Do we have an attrition problem at Ohio State? The answer is 'Yes.' Fifty per cent of all entering new freshmen will not graduate from this institution. They may graduate from other institutions or they may never receive a baccalaureate degree.

I would like to draw your attention to the otherwise excellent coverage we got in the *Lantern*, including a very favorable editorial. This coverage, however, had an unfortunate factual error. And that error was, in fact, one which stated that 50 per cent of all freshmen leave in their first year. That is incorrect. It is 50 per cent of all students who enter will leave before they get a degree; 50 per cent of that attrition will occur in the first year. In other words, roughly 25 per cent of all entering freshmen will not enter their sophomore year.

Once we discovered we had that attrition rate we had to define what the problem was. That is, what is an attrition problem? Were we measuring success only by a somewhat measurable criterion; that is, receipt of a degree. It is the only criterion we had available. Where does expected and normal attrition stop and so-called

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

problematic attrition begin? If you will turn to page 13 you will see that we list about four different types of attrition that we try to address and try to distinguish between or among. Also we had to ask ourselves, 'How do we compare nationally and regionally with other similar universities?' Finally, the Commission recognized that attrition at OSU is in lieu, perhaps, of selective admissions; that is, that we select, in a way, students, or they self-select in that first year. Nonetheless, we can't explain away some of the problem. Our attrition, we concluded, remains inexcusable.

How do we know that we have such an attrition rate? How do you measure attrition and retention? It is very difficult to do so without a substantial data base which we have. The Office of Planning Studies has about one and a half million records that it has been maintaining since 1973. It is very difficult to evaluate attrition without a sophisticated program to access that data base. We have that--a program developed through Mike Young and his associates in the Office of Planning Studies. We have over thirty variables which we can use to track students according to various personal, geographical, educational, chronological factors. Also, we were able to compare ourselves with some other institutions although this comparison proved limited. I'll return to that in a second.

It is very difficult to evaluate attrition and retention without established procedures for interviewing students who disenroll, and we don't have this capability, which leads me to the next question. 'What do we not know about why students leave Ohio State?' We don't know why they leave Ohio State. We know--nothing we have learned leads us to believe that their reasons for leaving differ from those at similar institutions. They leave for personal reasons. This is usually the reason they give, the ones that we can catch who tell us that they are going to leave which is only a small, small percentage. Most of them fade, disappear. But the ones that we do and can interview always list 'personal.' They also tell us that they leave for educationally negative reasons--advising is poor, counseling is poor, teaching is poor, curriculum is poor or they leave for educationally positive reasons. They want to go to a better school or a school which is perceived to be better. In fact, according to national reports (a broad range of which we have looked at) the most negative characteristic given by students who interviewed is inadequate advising.

The most positive is the caring attitude of faculty and staff. Though we compared ourselves with other institutions we soon discovered that we were caught up in what I refer to as the apples and oranges syndrome--that is, how good are their data; how good are their retention programs; what are their modes of inquiry. I might say that we are very proud of this report. We think it is a pathfinding report. We intend for it to get national attention because of the fact that we are able to understand ourselves we feel perhaps better than any other similar institution in the country. Mike wrote to fifty-some-odd flagship universities and the

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

variety of data that we got was quite large. There were very few institutions that we feel have the ability to analyze themselves as well as we do. The national attrition rate is (according to which publication you read) somewhere between 30 and 40 per cent of all institutions. That makes us look with our 50 per cent attrition rate somewhat unfavorable position. We would like to think that we just understand ourselves better, that if other institutions were able to evaluate themselves with the precision that we can--that perhaps their attrition rates would be somewhat similar.

Also, obviously, we are a unique institution in many ways--a large land-grant open admissions institution, the major research institution in a large state with demands ranging from teaching people how to read to putting together programs like the one you have just seen--all within the same campus. What can we do about what we do know? We can admit the problem. We can inform the University community that it exists. We can redirect our resources and our attention to establishing closer relationships between faculty and undergraduates. We can examine organizational structures which were set up in the 60's and 70's to respond to real needs--I speak here specifically of UVC and the Arts and Sciences federation. We can examine those structures in terms of the changing nature of higher education and where it is going to be in the next 20 years.

I refer you specifically to the Carnegie Council's 1980 report entitled, 'Three Thousand Futures: the Next Twenty Years for Higher Education,' which will show you what we need to do at Ohio State in order to respond imaginatively to projected changes. We can mandate a coherent faculty-devised curriculum for a liberal college education which those of us on the Commission do not feel we presently have. We can devise ways to mitigate the three gremlins of education at OSU: its size, the quarter system--which impedes coherent planning and which encourages stop-outs; which weakens the bonding that we feel is necessary between students and the institution they have chosen to attend.

And the third is the insufficient response that we've discovered to changes in higher education on the part of administrative structures originally designed to address earlier problems.

The overall rationale which subtended the recommendations that you have before you was--our benchmark was educational quality. This is a faculty commission and present company accepted, it is made up of, I think, five of the best faculty members that teach and do research at this institution. Each one of these people has been asked to chair or serve on another commission dealing with equally intractable problems since our Commission was formed.

OSU needs to think smaller; it's going to get smaller; and soon it needs to examine present administrative structures. It needs to encourage more attention to the student's intellectual life on campus. There is a general morale problem that we

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Professor Rosbottom: (contd)

have discovered here, reinforced both in students and in faculty which impedes change. President Jennings has made several public statements about OSU being more respected outside the state than within the state. And I think an analogous statement could be made that OSU is respected more outside of our campus than inside, both by the students and by the faculty.

The *Lantern*, for instance, just in the last year has had a half dozen editorials addressing the size, the impersonality, the lack of coherence in programs; perceptions defined responses, perceptions become facts, and that's why we were especially pleased with the strong *Lantern* endorsement of this report which appeared in last Friday's *Lantern*.

As far as the recommendations themselves are concerned, recommendations 1 and 2 deal with technical--but what we consider to be crucial--implementation of what we've learned. We know ourselves well enough now to cure our ills. We have got to centralize our information gathering processes on this campus. We've got to quit reinventing the wheel. I would hate to think that in five years, there will be another professor sitting here telling you about an attrition and retention report that has just been made which has forgotten the one that I've just reported on. We can't rely on demographic projections, but we can certainly establish more control over our internal institutional projections.

Number 3--better recruitment means higher retention. It's easier to retain students than it is to obtain students. Number 3 also refers to another fact which we discovered and that is that the black graduation rate at Ohio State University is very low and the retention efforts in that area need to be addressed and immediately.

Numbers 4, 5, and 6 refer to UVC (University College), which is an easy target. It is an easy target because it is the entry unit through which all of our students must pass, but it's an unavoidable one. We must address it since 50 per cent of all attrition occurs within that first year.

Recommendation 7 refers to the BER (the basic education requirement), which many of us feel is inimical to the definition of an educational philosophy. It's a microcosm of OSU, of those three gremlins I mentioned. Its emphasis there is on size and variety. When you have 400 or four hundred-and-something courses which are supposed to together enable a student to choose a coherent liberal college education, naturally problems are going to evolve. The BER, by the way, was examined in 1977, and I refer you to that report--the so-called Scanlon report.

And last, recommendations 8 and 9 which deal with conditional admission to Ohio State University. We were working on that this summer when you and



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Professor Rosbottom: (contd)

Provost Reynolds and President Jennings decided that it was a matter worth pursuing. We enthusiastically endorse it; we think that these two recommendations form a central part of our report.

Who has the responsibility now to address these problems? First is the retention committee which must avoid falling into the trap of not considering qualitative judgments and being inundated with data. These are academic issues, and we feel the Office of Academic Affairs should take the leadership in addressing this problem, and individual colleges should begin to establish a closer relationship between programmatic coherence and retention.

Let me conclude with a few salient facts that we discovered in our report. To give you an idea of what we are able to do--I wish I had a video tape--because I have a great respect for visual information, and one retains it longer than they do verbal. Fifty per cent of all NFQF will not get a degree at Ohio State University. Fifty per cent of all attrition occurs in the first year. Black students stand a significantly less chance of graduating than do whites. There is no statistically significant discrepancy between male and female graduation rates except in terms of blacks. There is little change in attrition or graduation rates over time. OSU needs to attract a higher proportion of the better Ohio high school graduates. The four-year model is no longer so dominant--by that, I mean the model of student entering in year one and graduating in spring of year four, but 12 quarters do seem to be the average. In other words, no matter how long they stay, it's going to take them 12 quarters of work. They can stay 15 years, but they will have, in effect, studied for 12 quarters. Students seem to do better in programs with a higher degree of curricular sequentiality, that is, with better defined requirements and as a result better advising. OSU's graduation rate is quite low in comparison with other large land-grant institutions insofar as we've been able to establish a valid comparison.

To conclude, let me say that the underlying belief of this committee was that we at Ohio State are prepared to offer excellent, quality education to those people who are ready, willing, and able to receive it.

Mr. Devenow: What was your statement just before your concluding statement?

Professor Rosbottom:

That Ohio State's graduation rate is quite low in comparison with other large land-grant institutions insofar as we've been able to establish those valid comparisons. We have some comparative data. It's interesting data; I think it's valid data, but we have to be very careful because we don't know how well their self-analysis is.

Mr. Devenow: So that that conclusion may not be a correct one?

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

President Jennings:

Ron, I think it might be worthwhile saying that the conclusion may not be a correct one, but on a national level doesn't really give me any solace to say that Ohio State's rate is 50 per cent and somebody else's rate is 40 per cent. The magnitude of the issue is still there. I think that two things need emphasizing is that we are and I think we should be enormously skeptical of another institution's data and graduation rate. I think it is also important to point out that even if those data are correct that other institutions have the same problem. And then, I think, we must go on then to say that we should not go on to conclude that since other institutions have the same problem that we, at Ohio State, should not attempt to try and do something about it at our institution.

Mr. Devenow:

I agree except that whether we are or not the worst or the lowest--there's a question of how strong their analysis is. I agree that we have to deal with it wherever we are.

Professor Rosbottom:

Yes, I think it's not much of a solace saying that we're just a little more ill than the other institutions which are also ill. Unless you like being ill, it's better to cure yourself. Mike might want to make a comment about this data, because I think this is in many ways the most striking and yet the most problematic aspect of--it's data over which we had the least control because it's data that was provided by other institutions.

Mr. Mike Young:

Because I think you can get an idea if you could see the pile of material I received in response to the survey that I sent out as to the quality of data that other institutions have. Generally, they were Xerox copies that were hardly legible, apologies in cover letters for the quality of the data as well as of the presentation. Most of the universities that responded would not even allow us to identify them which gives me some indication of how proud they are of what they have. Yet, at the same time, I appreciate their willingness to share these data in a research mode.

Mr. Devenow:

May I interrupt--what I am trying to get at here is that we have had some criticism from time to time that academically we are not as good as other schools. This statement you made prior to your conclusion, maybe if it is accurate, it is a verification of that. If it's inaccurate, why we've been accused wrongly--even though, as I say, we need substantially more improvement.

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom:

I was just going to refer you back to one of my earlier statements and that is-- it's because of that first year that we look so bad. We do not have selective admissions at this institution. We select in that first year. We select, and I think students self-select as they decide what they are capable of doing. We didn't do this kind of run, but if we compared ourselves second and third and fourth years to other institutions--second, third, and fourth years--we look better. Not better, we don't look as bad.

Provost Reynolds:

That's the point I was going to make. When you just take the data, and you have those data that were sent to you, and you compare the attrition rate between the sophomore and the junior year, and the junior and senior year, we are not unlike the other comparative institutions. Our real problem is primarily in the first year, and many of the things that this Commission has recommended put the responsibility for that problem rather firmly--the responsibility for remedying the problem rather firmly on the faculty--and I appreciate that, and I am grateful for that because there are things that involve putting students in closer contact with faculty members and senior faculty members earlier. As we move to implement this, the faculty will be undertaking extra obligations in working with 18-year olds. And I am grateful to the Commission for making that recommendation and the reception of the faculty to this has, in general, been very strong.

Mr. Devenow:

All I was trying to certainly clarify is whether this was done in support of your position, and the actual preparation for exams. I didn't want this to be a self-serving situation.

Provost Reynolds:

No, Chairman Devenow, this project was started far before that. You were charged in September 1980, I think.

Professor Rosbottom: Right.

Provost Reynolds: And their recommendation is a concurrent one with that issue, but--

Professor Rosbottom:

I might say that we thought our most controversial recommendations were going to be the last two, and we voted on them back in June, all kinds of trepidations, spent hours trying to figure out how we were going to talk to the Provost and the President and the Board of Trustees into looking at them favorably. And

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Professor Rosbottom: (contd)

then there was an epiphany, a serendipitous combination of events, which took us off the hook, so that we can come back now and say that you've done a marvelous job, and as you can see, we back you 100 per cent, and we're glad you were out front on it rather than--

Mr. Devenow: In other words, you didn't back into it?

Professor Rosbottom:

We didn't back into it; we went into it with courage but a little trepidation, but I was expecting to appear before you saying, 'Here it comes; what about conditional admissions?' And now we don't have to do that; you've done all the hard work. We encourage, we strongly encourage that this program--this idea--be pursued. We think that it is a waste of resources--emotional and fiscal resources--to allow what happens in the first year at this institution to continue to happen.

Dr. Jacob:

Do you have any historical data related to the same type of numbers you're talking about? In other words, what was the magnitude of the problem in 1971, 1961, 1951?

Professor Rosbottom:

Well, 1973 is when we began to keep these kinds of data we have. Now, I know that I've heard some stories from one person who is sitting over there, John Mount, who always pulls out historical data whenever we come out with something just as recent as a decade ago. I think that the data, quite frankly, before 1973 was very idiosyncratically collected, was spread all over the University, was done well by some departments, less well by others, and I wouldn't suggest anyone taking the time or making the effort to dig that data out, because I just don't think it would be useful.

Mr. Devenow:

I've just one more question. How was the data related to the size of the college--number of students?

Mr. Mike Young: Are you asking if, did we sample this--

Mr. Devenow:

Well, I'm saying, 'Would the attrition rate be the same at the University of Michigan which is 45,000 or 60,000 or some other school that was 15,000, the University of Toledo--how did you adjust for size?'

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

Mr. Mike Young:

I did not look at the size; I know what the attrition rates are for many of the institutions that you've mentioned, but it tends not to be--it's random by size, it has nothing to do with the size.

Mr. Devenow: You don't think size has an impact on it?

Mr. Mike Young:

I think it has more to do with open admissions. We looked at the quality of the students who came to OSU as measured by test scores compared to other universities and on the average they're lower here, but we have a lot of very good students and some very weak students so that's what is hitting the average.

Dr. Jacob:

Ron, would it suffice to say you would use this work that you've done, particularly the data base, for future evaluations to keep the Board and the administration up to date on how we are doing?

Professor Rosbottom:

I won't do it because I am through with this job! But it will be done because our first recommendation, and I might add that it was President Jennings, and on President Jennings' initiative, that we altered our first recommendation. There will be a retention commission chaired by a faculty member, the majority of whose members will be faculty, who will report, at least biannually, to the Board of Trustees and to the Senate on not only the fiscal but the academic issues attendant to retention and graduation.

Dr. Jacob: You're not volunteering?

Professor Rosbottom:

No. Well, I'd love to do it, but I think I should give the position to someone else.

President Jennings:

Let me just make a couple of points on this, too, that I think bear some considerable emphasis. We've talked about other institutions and other institutions' data. There has been a great deal of work nationally on the whys of retention or lack thereof. I think what you are going to find is that this study is going to be in higher education a pioneering study because it is the first that has taken strictly an academic approach to this issue that this is a faculty study--there are other aspects

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President Jennings: (contd)

of an institution besides academic aspects--and this institution has been a leader in some of those whether we're talking about dormitory programs, recreational activities, and so forth and so on. And those are extremely important to the total fabric of student life at this institution as it is at other institutions, but it's worth and I think very important, to emphasize that Ron and his committee have taken a faculty perspective on this, and all the recommendations are directed at the academic side of the student's experience at Ohio State. That has not been done on a national level, and so, I think, in answer to the quality issue, we're going to be very much out front nationally in taking a look at this issue from strictly the academic experience side of this.

I don't think there is any question also that it bears emphasizing that this is going to be an issue that the faculty must get engaged in and get engaged in deeply. Whether the issue is advising or organizational structure, many of the 'solutions' to these, at least that we think now, are not going to work unless the faculty is actively engaged in this. We absolutely must have the faculty engaged in it. I think that is one of the reasons we should be optimistic on this is because this whole process is a process of faculty engagements whether it's advising or what not.

I think, third, and very important--you saw earlier changing technology. I think we in the academic community very much have to address ourselves to the question of, 'What are we preparing our students for?' We've heard a lot in the last ten years about irrelevancies, but I think we all are fearing that they are irrelevancies only in a very short, short time period. I don't think there is any doubt that ten years ago those students trained in computer science, for example, if they have not adapted to those changing technologies, they are hopelessly out of date.

We've got to address also in this the very fundamental issue of, 'What are we training our students for?' Is it for that first job or is it for a career--a forty- to fifty-year career where things will totally change? And is it going to be a situation where we have to put out students who are ready for those changes, and that means in many areas a total rethinking of curricula to get more foreign language, more history, more humanities into that curriculum. It may be that they are irrelevant to that first job, but they are clearly not irrelevant to the career. That first job really hasn't got a lot to do with a student's long-term career and long-term success. And in this report, Ron has addressed that and the committee has addressed that very issue, and that's going to be a very significant issue at Ohio State and across the country, and again, the faculty is going to be involved in this.

And, I think, fifth, just as important, they have not fallen into the trap, that is, a lot of university studies are falling into. Namely, they have not relied solely on the traditional quantitative measures, whether it is square feet or student/faculty ratios or what not. Those are all important, but we are essentially in a very qualitative area. The judgments of the success of our students are going to be

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

President Jennings: (contd)

made twenty and thirty and forty years from now. This group has not fallen into that trap of using just quantitative measures. While it makes it much more complex to go into the qualitative measures, the real guts of this thing is going to be a qualitative judgment, but in a qualitative judgment not tomorrow or next week but twenty years from now and thirty years from now. And, I think, that what we set forth is a process that is going to make a student's experience a much more lifelong student experience than that first job issue, and it is very wrapped up in what we saw before. I think it is very significant that these two activities are coming together, and we're talking about such rapidly changing technology, and we teach a student about computers today; that student by the time they're thirty is hopelessly out of date if they do not have some ability to adapt to that changing future, and we have to very much emphasize it. I think, frankly, we're on the right track here. We may be proven wrong ten years from now, but this is something that has not been addressed before and not tried before--the type of things that this committee is recommending, and I think it is kind of exciting, and I think that you're going to find that nationally we're going to be getting Ohio State--people are going to be watching us as to how successful we are, and I can imagine that we're going to be copied on down the road a great deal as we get on down the road.

Mr. Smith:

Just one thought--you highlighted the problem of retention of the black student, and I've been on this Board for many years now, and I have never heard a good report about admission of black students, retention of black students, admission of black students for professional schools, i.e., that we are improving. That's a problem that doesn't go away for us.

Mr. Devenow: That's right.

Mr. Smith: We don't seem to get any better at it.

President Jennings:

We've done a lot of quantitative work. I think in our minority or educational disadvantage, I would, of course, go beyond just the black student; I would go beyond to the minority and to the educationally disadvantaged student. We've done a great deal of getting those students into our institution, but now they are addressing the problem of what happens when they get into the institution. We've brought them into the institution. Now, we've got to determine whether there are special problems associated with that group, but I think what Ron is pointing out, it is a black student problem but it is a student body problem in general.

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

Mr. Smith:

The last report I heard, we weren't doing a good job of getting them into the institution.

President Jennings:

We've got these 600 slots and we're getting them into the institution, but--

Provost Reynolds:

You may not have been at that meeting. I gave a preliminary report on enrollment and mentioned specifically minority admission, and would be happy to bring this in more fully over--with a profile of several years. I do want to mention one thing in that context though, our graduate program, where we actually recruit graduate students for our graduate school from minorities--is outstanding across the nation. We have one of the highest percentages of black students in graduate programs of any institution in the country, and we have produced more black Ph.D.'s than any institution in the United States.

Mr. Smith: That's the first time I've heard that.

Provost Reynolds:

But that's one statistic, and if the President concurs and so forth, I would be glad to explore that more fully with you.

President Jennings:

I would be glad to. Well, I'd just, perhaps, like to close, but I think this is an exciting activity, and I appreciate very much the faculty addressing this very difficult issue, and it's going to be a long time in the making, but I think this institution in this process is taking a major step towards looking at our entire academic activity, and we thank you, Ron, and each of the members of the committee, and as soon as I get my desk cleaned off and down to it, we'll be appointing this Commission, and I'm very confident we're off to a good start on it.

Professor Rosbottom:

Thank you, and I would like to commend the administration in the person of Provost Reynolds and former President Enarson and former Vice President Vandament, who initiated this Commission and who called me on the phone and said, 'We want you to do something about retention.' And I said, 'Yes,' because I didn't know anything about it. But it was a good idea, and I hope that we've been able to help you. Thank you.

Mr. Devenow: Thank you very much.

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## RESOLUTIONS IN MEMORIAM

Resolution No. 82-49

*Synopsis: Resolutions honoring the service of two of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

William H. Reither

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 19, 1981, of William H. Reither, Associate Professor Emeritus in the Department of Philosophy.

Professor Reither was born in Jackson Center, Pennsylvania, on May 2, 1892. He received the A.B. degree in philosophy from Oberlin College in 1924 and the A.M. degree, likewise in philosophy from Oberlin, in 1925. In 1931, he was awarded the Ph.D. degree from The Ohio State University where he had already served in the Department of Philosophy as Graduate Assistant (1926-28) and as part-time Instructor (1928-31). From 1931 to 1942, Dr. Reither served as Instructor of Philosophy at Ohio State, from 1942 to 1957 as Assistant Professor, and from 1957 to 1962 as Associate Professor. In 1962, he became Associate Professor Emeritus. Dr. Reither also served as Acting Associate Professor at Ohio University in the Summer of 1948, as Lecturer at Johns Hopkins University in 1949-50 and, after his retirement, as Visiting Professor at the College of Wooster in 1963-64.

Throughout his career at Ohio State, Professor Reither made manifest his steadfast commitment to the department by serving on numerous committees. He was, moreover, Secretary-Treasurer of Phi Beta Kappa, Epsilon of Ohio, from 1944 to 1948, and President of the Chapter in 1957-58. From 1950 till 1953, he was a member of various committees of the University Post, No. 310, of the American Legion. Likewise, Dr. Reither was active in professional philosophy in Ohio when, from 1935 to 1940, he was Secretary-Treasurer of the Philosophy Section of the Ohio College Association and, from 1949 to 1952, its President.

Although he contributed articles and reviews to journals in the field, Professor Reither was, above all, a devoted teacher and counselor of students. He taught and advised thousands of students both here at Ohio State and elsewhere, and he literally dedicated his life to his students.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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### RESOLUTIONS IN MEMORIAM (contd)

Samuel Renshaw

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 5, 1981, of Samuel Renshaw, Professor Emeritus in the Department of Psychology.

Dr. Samuel Renshaw was born in Sugar Grove, Ohio, in 1892. He was a lifelong Ohioan although his many professional contributions extended his reputation far beyond the borders of his state and even of his nation. Dr. Renshaw was a friend of many of the notables of his day, among them James Thurber and Aldous Huxley.

He graduated from Ohio University in 1914 and earned his M.A. and Ph.D. degrees at The Ohio State University. He began his academic career as an Instructor in experimental psychology at Ohio University. Before coming to Ohio State in 1925 as Assistant Professor of psychology, he taught successively at Rio Grande College and at Western State Normal School in Michigan. At Ohio State where he taught experimental and educational psychology, Dr. Renshaw was for many years Director of the Experimental and Perception Laboratory. He retired as Professor Emeritus from Ohio State in 1962.

In addition to his specialty in the psychology of perception, Dr. Renshaw made numerous contributions to the field of optometry and was widely known among optometrists for his applied and theoretical contributions to their profession. During World War II, Dr. Renshaw devised an early recognition system for the identification of enemy aircraft and was head of a U. S. Navy sponsored school at The Ohio State University for training naval personnel in his system. He was decorated by the Navy for his contribution to the war effort. As an educational psychologist, Dr. Renshaw was particularly interested in the process of speed reading and devised tachistoscopic methods for teaching reading at high rates of speed while maintaining comprehension. Dr. Renshaw's book, *Childrens' Sleep* is an outstanding contribution to the field of developmental psychology.

Dr. Renshaw's work has been a great credit to the University at which he taught for so many years. He befriended many of his students and will long be remembered by both the undergraduate and graduate students who took his seminars, worked in his laboratory, and took their degrees under his direction.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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## 1981-82 CURRENT FUNDS BUDGET FOR THE OHIO STATE UNIVERSITY

### I. INTRODUCTION

The adoption of the Current Funds Budget for Fiscal Year 1981-82 has been deferred until the members of the Ohio General Assembly were able to complete their work of dealing with the difficult financial constraints facing the State. Now that the work of the State legislators has resulted in a budget for the remainder of the 1981-83 biennium, the allocation for The Ohio State University will enable this University to continue to fulfill its mission as the State's land-grant University and maintain its reputation as one of the finest public universities in the nation.

Under the provisions of this budget, Ohio State will be able to provide long-overdue raises to maintain and improve the quality of our faculty and staff. Funds are also available to provide some additional support for sustaining the quality of the library plus acquisition of teaching and research equipment. Perhaps most important to this University's mission is the reduction in student fees to maintain the tradition of student accessibility.

In developing and approving this budget for 1981-82, we must be ever mindful that the economic situation in Ohio remains uncertain. Therefore, every effort will be made to maintain adequate flexibility to adjust expenditure patterns if less than anticipated State revenues should necessitate further budget adjustments. In this regard, the hiring restrictions which have been in effect will continue until there is a clarification of the State revenue situation and budget plans for Fiscal Year 1982-83 are approved.

### II. SOURCES OF FUNDS

The sources of current funds in support of the 1981-82 budget total \$607,084,800, as detailed in the schedule of Sources of Income to support 1981-82 Budget. These revenues represent an estimated increase of 12.6 per cent over actual 1980-81 current funds revenues. Of these total sources, Columbus Campus general funds represent 44 per cent of the total with earnings operations generating 33 per cent, restricted grants and contracts 21 per cent, and the regional campuses revenues total 2 per cent.

The 1981-82 budgeted student fee revenues incorporate a 50 per cent reduction in the Instructional Fee surcharge effective the Winter Quarter 1982. This surcharge, implemented the Autumn Quarter 1981, was necessitated by the interim State budget. With the support currently provided by the State, this University will meet its commitment to reduce the amount of the surcharge and establish the instructional fees at a lower level. Even with this lowering of student fees, the percentage of the Columbus Campus unrestricted general funds budgets support by student fees continues to increase--33 per cent for 1981-82, 31 per cent in 1980-81 and 28 per cent in 1979-80.

Due to the uncertainties in State revenues, the 1981-82 biennium budget legislation includes an automatic subsidy cutback of 1 per cent for 1981-82 if revenues do not meet projections. Therefore, we have created within this budget flexibilities which will allow this University to address to reductions in State support without disruption to the academic programs.

**1981-82 CURRENT FUNDS BUDGET FOR  
THE OHIO STATE UNIVERSITY (contd)**

**III. USES OF FUNDS**

The University's current funds estimated expenditures for Fiscal Year 1981-82 are detailed in the schedule of Budgeted Expenditures for 1981-82. These expenditure levels will enable this University to implement the following budget guidelines for Fiscal Year 1981-82.

- \* Increase faculty and administrative/professional staff salaries by an average of 9 per cent (which includes a 4 per cent across-the-board pay increase), plus an allowance of 2 per cent as a supplemental allocation for market adjustments in selected units of the University, both to be effective November 1, 1981.
- \* All eligible faculty and staff to receive a one-time cash supplement on December 18 to equalize the effects of the delay in pay increases for those on academic year versus annual appointments. This one-time payment is to cover the month of November for academic year personnel and November plus three months for annual appointment faculty and administrative/professional staff.
- \* Classified personnel to receive pay increases of 75 cents-per-hour or 10 per cent, whichever is greater, in accordance with House Bill 634, with this University covering one-third the cost.
- \* Increase general expense budgets by 8 per cent for the colleges and departments, which includes stipends for graduate students working as teaching, research and administrative associates.
- \* Provide on a one-time basis, special allocations of \$1.1 million for student financial aid support, \$1.1 million for library acquisitions, and \$2.0 million for the purchase of necessary instructional and research equipment.

In addition to these specified budget increases, the expenditure budgets will enable this University to meet mandated General Fund cost increases such as utilities (\$2.2 million) and employee benefits (\$1.3 million). There is also established a minimum flexibility budget of \$2.5 million with which to address unanticipated needs, along with \$3.3 million held as uncommitted reserves unless needed to remedy potential shortages in revenues.

Assumed in this budget is the implementation of the overhead cost recovery system applicable to all University earnings operations. This program will require each unit that earns all or part of its revenues from charges for their services to compensate the University General Fund for the various administrative and support services provided as well as pay the direct costs of the utility, custodial and maintenance services utilized. These units will in turn be compensated for the short-term interest earnings on their positive cash balances (or charged the same rate of interest for negative cash balances). This program will reduce the General Fund burden of support for these earnings operations by having each such unit cover the total costs of their activities.

December 10, 1981 meeting, Board of Trustees

**1981-82 CURRENT FUNDS BUDGET FOR  
THE OHIO STATE UNIVERSITY (contd)**

**IV. 1982-83 BUDGET PLANNING**

Knowledge of State appropriations for the second year of the biennium has enabled us to initiate the budget planning process for 1982-83. As soon as resource and cost estimates are more refined, budget guideline recommendations for the next fiscal year will be brought to the Board. Preliminary analyses indicate that with the current biennium allocation from the State, and assuming reasonable increases in expenditures plus maintaining our commitment to hold fee increases to a minimum, it will still be necessary for this University to cut an additional \$6.7 million from its budget prior to June 30, 1983. This is in addition to the \$10 million in retrenchments and savings already absorbed since July 1, 1980.

These reductions will be made over the remainder of the biennium in selected areas to be determined by the vice presidents and deans, in consultation with faculty, staff and students. In making these further cutbacks, every attempt will be made to assure that the University's fundamental missions are not adversely affected. Reductions in personnel will continue to be achieved through attrition, and the University's limited hiring freeze will remain in effect. The overriding goal in realizing these savings by the end of the biennium will be that Ohio State's long-standing quality in teaching, research and public service are maintained.

Unfortunately, there is still a great deal of uncertainty about the second year's finances for the State, and we must be aware of these uncertainties in projecting fee levels for next year. The Ohio State University, however, remains committed to the principle of accessibility, and therefore we remain committed to keeping our fees as low as possible.

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**BUDGET 1981-82**

Resolution No. 82-50

*Synopsis: The Budget for 1981-82 is being submitted for adoption.*

WHEREAS the State has adopted a budget for the remainder of the 1981-83 biennium which provides funding to this University for 1981-82 which is 8.2 per cent above the reduced appropriation level for Fiscal Year 1980-81; and

WHEREAS this funding level enables this University to reduce 50 per cent of the student fee surcharge imposed during the period of the interim budget; and

WHEREAS the resources are now available to provide salary increases of 9 per cent to the faculty and administrative/professional staff for Fiscal Year 1981-82 plus another 2 per cent for selective market adjustments; and

WHEREAS the State has adopted salary increases for the classified staff of 75 cents per hour or 10 per cent, whichever is greater for Fiscal Year 1981-82 and has provided two-thirds of the funding for these increases:

December 10, 1981 meeting, Board of Trustees

**BUDGET 1981-82 (contd)**

NOW THEREFORE

BE IT RESOLVED, That the University Current Funds Budget for Fiscal Year 1981-82 be approved with the authorization to make expenditures within the income levels contained in the budget schedules included as a part of this Resolution; and

BE IT FURTHER RESOLVED, That the student fee surcharge imposed during the period of the interim budget be reduced 50 per cent beginning Winter Quarter 1982, and that the Schedule of Student Fees for the Winter Quarter 1982 be hereby approved; and

BE IT FURTHER RESOLVED, That the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including salary rolls with promotions and fees and charges for the Fiscal Year 1981-82, and to file these materials with the official records of this University.

Mr. Devenow:

Before we ask for a motion or a vote, I would like to make a statement. I would like to report that the Personnel Committee of this Board has met to consider the President's salary. I think everyone assembled here knows the President's salary has been a concern of long standing with this Board. As you know, the salary was also a particularly acute and difficult problem for the Board during the search and selection process for a new president. This ultimately resulted in Dr. Jennings having to take a substantial salary reduction in order to assume the presidency of The Ohio State University.

We were delighted and pleased with President Jennings' decision to come to OSU, and I believe that it would be a disservice to him not to recognize the financial sacrifice he made in order to assume the presidency of this great University. It is most certainly difficult to justify the current salary of President Jennings in light of the level and complexity of his responsibilities. I should note here that the Board wishes to formally recognize Dr. Jennings efforts over the past several weeks for his work on behalf of The Ohio State University.

In view of the action taken by the Ohio General Assembly to remove the constraints imposed on the University with regard to the President's salary, the Personnel Committee has recommended that effective November 1, President Jennings' salary be fixed at an annual rate of \$78,000.00. I should like to note further that even at the proposed salary increase level, President Jennings will be substantially below some of the salaries of other presidents of the Big 10 institutions. I would like to ask for a motion to approve the President's budget recommendations as well as the recommendation of the Personnel Committee as noted in my report to this Board. Do I have a motion?

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

December 10, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1981-82 CURRENT FUNDS BUDGET  
SOURCES OF INCOME TO SUPPORT 1981-82 BUDGET  
(IN THOUSANDS)

	1980-81 Actual Income	1981-82 Proposed Budget
Columbus Campus		
Government Appropriations		
State of Ohio	\$164,407	\$179,130
Federal	69,241	75,653
Other	8,986	9,735
Subtotal	\$242,634	\$264,518
Student Fees		
Instruction and General	\$ 73,270	\$ 86,878
Room and Board	20,521	22,788
Other	3,621	3,992
Subtotal	\$ 97,412	\$113,658
Other Income		
Auxiliary Sales and Charges	\$132,008	\$157,901
Department and University Services	15,496	14,835
Endowment Income	5,054	5,205
Gifts and Grants	20,368	21,714
Temporary Investments	12,022	13,000
Subtotal	\$184,948	\$212,655
TOTAL COLUMBUS CAMPUS	\$524,994	\$590,831
Regional Campuses		
Lima Campus	\$ 3,192	\$ 3,637
Mansfield Campus	3,126	3,344
Marion Campus	1,959	2,233
Newark Campus	2,727	3,135
Agricultural Technical Institute	3,266	3,800
Wright-Patterson Graduate Center	103	105
TOTAL REGIONAL CAMPUSES	\$ 14,373	\$ 16,254
GRAND TOTAL	\$539,367	\$607,085

December 10, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1981-82 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1981-82  
(IN THOUSANDS)

	1980-81 Actual	1981-82 Proposed Budget
Columbus Campus		
Instruction and General		
Departmental Instruction and Research	\$172,265	\$199,029
Libraries	10,346	12,017
Other Academic Support	3,789	4,282
Sponsored Programs Administration	6,562	6,331
Student Services	9,844	10,593
Plant Operation	30,531	33,378
Institutional Support	20,262	22,595
Total Instruction and General	\$253,599	\$288,225
Sponsored Research		
Federally Sponsored Programs	\$ 37,586	\$ 41,148
Other Externally Sponsored Programs	9,594	10,520
Internally Sponsored Programs	742	539
Total Sponsored Research	\$ 47,922	\$ 52,207
Public Service		
University Hospitals	\$ 99,613	\$128,495
Cooperative Extension Service	22,504	24,534
Externally Sponsored Programs	15,095	16,841
Internally Sponsored Programs	5,265	5,528
Total Public Service	\$142,477	\$175,398
Student Aid	\$ 7,191	\$ 8,339



December 10, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1981-82 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1981-82  
(IN THOUSANDS) (contd)

	1980-81 Actual	1981-82 Proposed Budget
Columbus Campus (contd)		
Auxiliaries		
Student Housing	\$ 24,784	\$ 27,325
Intercollegiate Athletics	11,471	11,599
University Bookstores	7,174	7,808
Student Health Service	2,762	3,027
Student Unions	3,148	2,850
Parking Facilities	2,841	3,493
University Airport	3,307	3,003
Fawcett Center for Tomorrow	1,832	1,942
Other	773	1,249
Total Auxiliaries	\$ 58,092	\$ 62,296
TOTAL COLUMBUS CAMPUS	\$509,281	\$586,465
Regional Campuses		
Administration	\$ 151	\$ 220
Lima Campus	2,608	3,204
Mansfield Campus	2,757	2,990
Marion Campus	1,684	1,936
Newark Campus	2,342	2,729
Agricultural Technical Institute	3,055	3,453
Wright-Patterson Graduate Center	103	105
TOTAL REGIONAL CAMPUSES	\$ 12,700	\$ 14,637
TOTAL ALL CAMPUSES	\$521,981	\$601,102
Construction and Renovation Projects	\$ 3,593	-0-
Endowment Income to Principal	\$ 751	-0-
GRAND TOTAL	\$526,325	\$601,102

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1982

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
<b>Undergraduate</b>						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
Biological Sciences						
Continuing Education	0-1	\$ 59	\$11	\$ 70	\$ 56	\$ 126
Dental Hygiene	2	75	15	90	112	202
Education	3	88	21	109	169	278
Engineering	4	117	28	145	223	368
Health, Physical Education and Recreation	5	147	35	182	281	463
	6	175	42	217	337	554
Humanities	7	204	50	254	393	647
Journalism	8	233	57	290	450	740
Mathematical and Physical Sciences	9	262	64	326	506	832
	10	291	71	362	562	924
Music	11	321	78	399	619	1,018
Natural Resources	12 or more	350	85	435	675	1,110
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
The Arts						
University College						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Executive M.B.A.	1st year	\$1,515	\$85	\$1,600	\$785	\$2,425
	2nd year	1,115	85	1,200	785	1,985
University Regional Campuses						
Undergraduate	0-1	\$ 59	\$11	\$ 70	\$ 56	\$ 126
	2	75	14	89	112	201
	3	88	17	105	169	274
	4	117	23	140	223	363
	5	147	29	176	281	457
	6	175	35	210	337	547
	7	204	41	245	393	638
	8	233	47	280	450	730
	9	262	53	315	506	821
	10	291	58	349	562	911
	11	321	65	386	619	1,005
	12 or more	350	70	420	675	1,095
Graduate	0-1	\$ 59	\$11	\$ 70	\$ 79	\$ 149
	2	95	14	109	157	266
	3	143	20	163	236	399
	4	190	28	218	314	532
	5	237	35	272	393	665
	6	285	42	327	471	798
	7	333	48	381	550	931
	8	380	56	436	628	1,064
	9	428	62	490	707	1,197
	10 or more	475	70	545	785	1,330

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Graduate School	0-1	\$ 59	\$11	\$ 70	\$ 79	\$ 149
	2	95	17	112	157	269
	3	143	25	168	236	404
	4	190	34	224	314	538
	5	237	43	280	393	673
	6	285	51	336	471	807
	7	333	59	392	550	942
	8	380	68	448	628	1,076
	9	428	76	504	707	1,211
	10 or more	475	85	560	785	1,345
Graduate Professional						
Law	0-3	\$ 140	\$21	\$ 161	\$ 210	\$ 371
Pharmacy, Doctor of	4	187	28	215	281	496
	5	234	35	269	350	619
	6	280	42	322	420	742
	7 or more	560	85	645	840	1,485
Medicine						
	0-3	\$ 249	\$21	\$ 270	\$ 281	\$ 551
	4	332	28	360	375	735
	5	415	35	450	469	919
	6	498	42	540	563	1,103
	7 or more	995	85	1,080	1,125	2,205
Dentistry						
Optometry Veterinary Medicine	0-3	\$ 204	\$21	\$ 225	\$ 281	\$ 506
	4	272	28	300	375	675
	5	340	35	375	469	844
	6	408	42	450	563	1,013
	7 or more	815	85	900	1,125	2,025

December 10, 1981 meeting, Board of Trustees

**PROPOSED SCHEDULE OF STUDENT FEES,  
EFFECTIVE WINTER QUARTER, 1982 (contd)**

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$70 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$70 for zero or one credit hour.

Graduate professional students (those enrolled in any quarter, term, or period for seven or more credit hours) will be assessed full fees. Fees for graduate professional students enrolled for six or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the minimum fee for fewer than three credit hours being the fee for three credit hours.

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**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
INTO THE OHIO STATE UNIVERSITY**

Resolution No. 82-51

*Synopsis: Modification of Bylaws of the Board of Trustees and Rules of the University Faculty is being proposed.*

WHEREAS pursuant to an action of the Board of Trustees and a concurrent action by the Board of Control at the meetings held on May 1, 1981, said Boards expressed the intent to bring the Ohio Agricultural Research and Development Center into The Ohio State University should enabling legislation be enacted by the General Assembly for this purpose; and

WHEREAS the 114th General Assembly has approved enabling legislation which provides for the merger of the Ohio Agricultural Research and Development Center into The Ohio State University; and

WHEREAS the University wishes to proceed with the implementation of this merger in accordance with the Memorandum of Understanding adopted at the May 1 meetings; and

WHEREAS in order to provide the requisite administrative organizational alignment it is necessary to amend existing *Bylaws of the Board of Trustees and Rules of the University Faculty*; and

December 10, 1981 meeting, Board of Trustees

**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
INTO THE OHIO STATE UNIVERSITY (contd)**

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the bylaws and rules as enumerated below are amended and/or new rules are proposed:

NOW THEREFORE

BE IT RESOLVED, That the modification to the *Bylaws of the Board of Trustees and Rules of the University Faculty* as proposed in this resolution be adopted and that they be included in the next printing of this document.

Upon motion of Mr. Smith, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**BYLAWS**

3335-1-03 Administration of the university.

(E) The president's staff.

(1) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, and special assistants.

(Q) Vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources. The major area of responsibility and authority of the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall be that of handling administrative and fiscal affairs for Ohio agricultural research and development center and Ohio cooperative extension service. Without limiting the generality of the foregoing, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the administrative details and authorization for all expenditures which shall be in accordance with policies and procedures of the Ohio state university. The vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall report to the president of the university for all administrative and fiscal affairs and to the provost of the university for academic affairs, including appointment, tenure, and promotion of all faculty.

**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
INTO THE OHIO STATE UNIVERSITY (contd)**

**RULES**

**3335-3-05 President's staff.\***

- (A) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, and special assistants.

**3335-3-152 Vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources.\***

- (A) The vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall be the executive head of the college of agriculture and home economics, the Ohio agricultural research and development center, and the Ohio cooperative extension service which organizations include the college of agriculture and home economics, the school of home economics, the school of natural resources, and the agricultural technical institute.
- (B) The major area of responsibility and authority of the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall be that of handling administrative and fiscal affairs for Ohio agricultural research and development center and Ohio cooperative extension service. Without limiting the generality of the foregoing, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the administrative details and authorization for all expenditures which shall be in accordance with policies and procedures of the Ohio state university. The vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall report to the president of the university for all administrative and fiscal affairs and to the provost of the university for academic affairs, including appointment, tenure, and promotion of all faculty.
- (C) The principal administrative officials of the office of agricultural administration and executive dean for agriculture, home economics, and natural resources shall be the director, Ohio agricultural research and development center; the director, Ohio cooperative extension service; the dean, college of agriculture and home economics; the director, school of home economics; the director, school of natural resources; and the director, agricultural technical institute. (B/T 12/10/81)

\*Rule initiated by board of trustees.

December 10, 1981 meeting, Board of Trustees

**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
INTO THE OHIO STATE UNIVERSITY (contd)**

**RULES (contd)**

3335-5-601 Standing committee on agricultural affairs.\*

(A) The standing committee on agricultural affairs shall be appointed by the board of trustees.

(B) The committee shall include:

(1) The director of the Ohio department of agriculture who shall be vice chairman, ex officio with voting rights.

(2) Such other members as the chairman of the board of trustees may designate.  
(B/T 12/10/81)

\*Rule initiated by board of trustees.

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**APPOINTMENT OF STANDING COMMITTEE ON AGRICULTURAL AFFAIRS**

Resolution No. 82-52

*Synopsis: Appointment of Standing Committee on Agricultural Affairs is being proposed.*

WHEREAS pursuant to rule 3335-5-601 of the Administrative Code, provision is made for the establishment of a standing committee on agricultural affairs:

NOW THEREFORE

BE IT RESOLVED, That the following individuals be named as members of the Standing Committee on Agricultural Affairs:

Daniel M. Galbreath, Chairman  
John M. Stackhouse, Vice Chairman, Ex Officio  
John F. Havens  
Chester Devenow, Ex Officio

Upon motion of Mr. Berry, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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December 10, 1981 meeting, Board of Trustees

**CHANGE NAME OF MASTER OF HUMANITIES DEGREE TO  
MASTER OF LIBERAL STUDIES**

Resolution No. 82-53

*Synopsis: Change name of Master of Humanities degree to Master of Liberal Studies is being proposed.*

WHEREAS the previously approved Master of Humanities degree program has been successful in attracting highly motivated, intelligent students who, in consultation with faculty advisors, have developed academically sound master's level programs that do not fit into the regular degree offerings of the University; and

WHEREAS the courses used in the program are existing courses put together in different ways, but always in ways that make programmatic sense; and

WHEREAS the program has never been limited to courses solely in the humanities, but the degree title was chosen because the College of Humanities submitted the original proposal; and

WHEREAS the designation Master of Liberal Studies is more accurate and informative than the present title, and is a designation in wide use at colleges and universities in Ohio and the nation; and

WHEREAS the proposed designation has been approved by the College of Humanities, the Graduate School, and the Council on Academic Affairs:

NOW THEREFORE

BE IT RESOLVED, That the foregoing proposal from the University Senate, which was approved November 14, 1981, be adopted; and

BE IT FURTHER RESOLVED, That this proposal be forwarded to the Board of Regents pursuant to section 3333.04(N) of the Revised Code for approval.

Upon motion of Mr. Smith, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-54

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Medical Staff Appointments, Leaves of Absence Without Salary, Cancellation of Professional Improvement Leaves, Professional Improvement Leaves, and Emeritus Title are recommended for approval.*

December 10, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 6, 1981 meeting of the Board, including the following Medical Staff Appointments, Leaves of Absence Without Salary, Cancellation of Professional Improvement Leaves, Professional Improvement Leaves, and Emeritus Title as detailed in the University Budget, be approved.

Medical Staff Appointments

Effective July 1, 1980

Carl M. Allen, D.D.S.	Attending Staff in Dentistry (General Dentistry)	Assistant Professor
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Effective September 1, 1981

Vira Santibhavank, M.D.	Attending Staff in Anesthesiology	Assistant Professor
James Edward Foy, D.O.	Courtesy Staff in Pediatrics	Clinical Instructor

Effective October 1, 1981

Nathan Dappen, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
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Effective November 1, 1981

Paul C. Levy, M.D.	Limited Staff in Medicine (General Medicine)	Clinical Instructor H.S.
Carol F. Owais, M.D.	Limited Staff in General Psychiatry	Cinical Instructor H.S.

Leaves of Absence Without Salary

MARSHALL W. SWAIN, Professor, Department of Philosophy, effective October 1, 1982 through June 30, 1983, for personal reasons.

ANNE M. PHILBIN, Associate Professor, Department of Art, effective October 1, 1982 through December 31, 1982, to serve as Visiting Professor of Art at the University of Auckland, Auckland, Australia.

KATALIN I. KORANYI, Assistant Professor, Department of Pediatrics, effective September 12, 1981 through October 25, 1981, for personal reasons.

SHIGERU MIYAGAWA, Assistant Professor, Department of East Asian Languages and Literatures, effective October 1, 1982 through June 30, 1983, to accept a research fellowship from the National Institute of Mental Health for research at Massachusetts Institute of Technology.

December 10, 1981 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Cancellation of Professional Improvement Leaves**

HUGO BEKKER, Professor, Department of German, cancel leave approved for Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

RICHARD L. RUDY, Professor, Department of Veterinary Clinical Sciences, cancel leave approved for Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter, 1982.

**Professional Improvement Leaves**

SAMUEL C. CHU, Professor, Department of History, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JOSEPH C. FERRAR, Professor, Department of Mathematics, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JAMES P. SCANLAN, Professor, Department of Philosophy, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

CHARLES WALLSCHLAEGER, Professor, Department of Industrial Design, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

THOMAS W. COOLEY, JR., Associate Professor, Department of English, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

SUZANNE C. FERGUSON, Associate Professor, Department of English, effective Winter Quarter 1983 and Spring Quarter 1983.

CAROLE R. ROGEL, Associate Professor, Department of History, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

**Emeritus Title**

WILLIAM H. R. HOWARD, Department of Radiology, with the title Professor Emeritus, effective January 1, 1982.

Upon motion of Dr. Jacob, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-55

*Synopsis: The reports on contracts, grants, and gifts and the summary for October are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of October 1981, be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR OCTOBER 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	77	\$4,123,645.00
Engineering Experiment Station	33	110,323.00
		\$4,233,968.00
Establishment of Named Funds		
Office of Health Sciences		
The Ohio State University College of Optometry Progress Fund (College of Optometry)		
		\$ 250,000.00

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR OCTOBER 1981 (contd)**

The Ohio State University Development Fund

Establishment of Named Funds

Cheerleaders Scholarship Fund (Varsity cheerleaders)	\$ 10,000.00
The Friends and Alumni of the Ohio- Drake Unions Scholarship Fund (Ohio-Drake Unions activities participants)	\$ 7,000.00
The Class of 1931 Library Fund (University libraries)	\$ 6,500.00
Apiculture Memorial Fund (Apiculture program)	\$ 5,047.00
The Richard Scott Smith Memorial Fund (School of Architecture)	\$ 5,000.00

Report from Presidents Club

Members to date	4,515
1981 members: year to date	130
New members - October 1981	14

New Presidents Club Members - October 1981

Douglas S. Alexander	Thomas E. Kavanagh
Lisa M. Borelli	Elizabeth Minton
Charlene S. Bruce (Mrs. Robert A., Jr.)	Christie Minton
Charles L. Clegg	Cynthia Minton
Antonio Colosimo	James Ward
Leslie A. Golan	Dorothy R. Zimmerman
George A. Johnston, Jr.	(Mrs. Richard S.)
Jeffrey L. Jones	

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$381,324.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$353,037.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Ohio Statewide Cancer Control Support Development Grant, Cancer Research Center (C. J. Cavalaris), 1 September 1981 through 30 June 1982. (Project 761832 - Continuation)

\$350,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Joint Services Electronics Program, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter), 1 October 1981 through 30 September 1982. (Project 760914 - Continuation)

\$280,000.00 - National Science Foundation, Washington, D. C., Establishment of a Center for Welding Research, Department of Welding Engineering (R. B. McCauley), 1 August 1981 through 31 July 1982. (Project 762389 - Continuation)

\$117,946.00 - Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Jam Resistant Communications Systems Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski and W. D. Burnside), 1 October 1981 through 3 February 1982. (Project 761461 - Continuation)

\$100,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Advanced RCS Reduction, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 October 1981 through 30 September 1982. (Project 762363 - Continuation)

\$85,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Use of Computer-Aided Testing in the Investigation of Pilot Response to Critical In-Flight Events, Department of Industrial and Systems Engineering (T. H. Rockwell and W. C. Giffin), 1 October 1981 through 1 July 1982. (Project 762647 - Continuation)

\$74,840.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen-Induced Changes in tRNA Metabolism in Human Cells, Department of Physiological Chemistry (R. Trewyn), 30 September 1981 through 30 September 1982. (Project 762404 - Continuation)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$70,773.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propeller Aero-Acoustic Methodologies - Comparisons of Propeller Performance and Acoustic Analyses with Wind Tunnel and Flight Test Measurements, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and J. D. Lee), 1 October 1981 through 30 September 1982. (Project 761510 - Continuation)

\$70,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, EO Device Signature Reduction, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon), 1 October 1981 through 30 September 1982. (Project 762341 - Continuation)

\$68,413.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Training Educational Leaders for Programs in International Understanding, Mershon Center for Education in National Security (R. C. Remy), 1 October 1981 through 30 September 1982. (Project 762897 - New)

\$67,000.00 - National Science Foundation, Washington, D. C., Wave Propagation and Transport in Heterogeneous Media, Department of Physics (D. G. Stroud and B. R. Patton), 15 October 1981 through 31 October 1982. (Project 762926 - Continuation)

\$64,510.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, Enhancement of Digitized DMA Data Base by Synthetic Detail, Department of Art Education (C. A. Csuri) and College of the Arts - Administration (R. E. Parent), 30 September 1981 through 30 September 1982. (Project 762896 - New)

\$64,000.00 - National Science Foundation, Washington, D. C., Developmental Work on Academic Price Indexes, Office of Finance and Planning (G. W. Baughman), 1 October 1981 through 31 March 1982. (Project 762267 - Continuation)

\$59,465.00 - Department of Education, Office of International Education, Washington, D. C., The Development of Protocols to Help Teachers Understand and Interpret the Acquisition of a Foreign Language Among Secondary School Teachers, Academic Faculty of Humanities Education (E. D. Allen), 1 September 1981 through 31 December 1982. (Project 762891 - New)

\$58,000.00 - National Science Foundation, Washington, D. C., Development and Expression of Bacterial Viruses in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 November 1981 through 31 October 1982. (Project 761938 - Continuation)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$55,000.00 - National Science Foundation, Washington, D. C., Molecular Studies of Genetic Regulation in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 December 1981 through 30 November 1982. (Project 762490 - Continuation)

\$54,733.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, cAMP Inhibition of Macrophage Tumor Cell Cytotoxicity, Department of Medicine (M. S. O'Dorisio), 30 September 1981 through 30 June 1982. (Project 762898 - New)

\$51,685.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Thymidylate Synthetase Gene Expression, Department of Biochemistry (L. F. Johnson), 29 September 1981 through 31 August 1982. (Project 762903 - New)

\$50,479.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Theoretical Foundations of Software Technology, Department of Computer and Information Science (B. Chandrasekaran, L. J. White, and H. W. Buttlemann), 1 October 1981 through 30 June 1982. (Project 761640 - Continuation)

\$50,008.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D. C., Labor Market Effects of Vocational Education for Handicapped Youth, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 14 September 1982. (Project 762904 - New)

\$50,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Clinical Center, Bethesda, Maryland, Normal Volunteers for Participation in Medical Research Projects, Department of Microbiology (A. M. Ackermann-Brown), 1 October 1981 through 30 September 1982. (Project 762907 - Continuation)

\$49,991.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Electrocatalysis of Oxygen Using Water Soluble Metal Porphyrins and Chemically Modified Porphyrin Electrodes, Department of Chemistry (T. Kuwana), 1 October 1981 through 30 September 1982. (Project 761254 - Continuation)

\$41,905.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Color and Brightness Channels of the Visual System, Division of Sensory Biophysics (C. R. Ingling, Jr.), 30 September 1981 through 29 September 1982. (Project 761926 - Continuation)



December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$40,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, In Search of a Theoretical Foundation for Quantitative Ultrasonic Measurement of Fracture Toughness, Department of Engineering Mechanics (L. S. Fu), 6 October 1981 through 5 October 1982. (Project 761641 - Continuation)

\$38,796.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Characterization of Ohio Limestones to Determine Potential Use in Control of Coal Emissions, Engineering Experiment Station (C. J. Konya), 30 September 1981 through 29 September 1982. (Project 762917 - Continuation)

\$36,097.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Fracture Mechanics and Structural Response Investigations Associated with Energy Recovery, Department of Engineering Mechanics (S. H. Advani and T. G. Richard) and Engineering Experiment Station (C. J. Konya), 30 September 1981 through 29 September 1982. (Project 762918 - Continuation)

\$35,000.00 - National Science Foundation, Washington, D. C., Comparative Root Structure of Plants, Department of Botany (R. D. Warmbrodt), 1 November 1981 through 31 October 1982. (Project 762885 - New)

\$32,358.00 - National Science Foundation, Washington, D. C., Statistical Studies of the Genetic Effects Caused by Population Bottlenecks, Department of Genetics (P. A. Fuerst), 1 November 1981 through 31 October 1982. (Project 762925 - New)

\$25,000.00 - Department of Labor, Occupational Safety and Health Administration, Washington, D. C., Development of Occupational Safety and Health Training/Education and Related Assistance Capabilities, College of Administrative Science - Continuing Education (C. J. Slanicka and R. M. Montgomery), 1 October 1981 through 31 October 1981. (Project 761381 - Continuation)

\$23,987.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Automated Blast Hole Logging and Design, Engineering Experiment Station (C. J. Konya), 30 September 1981 through 29 September 1982. (Project 762916 - Continuation)

\$20,949.00 - Department of Education, National Institute of Education, Contracts/Grants Management Division, Washington, D. C., ERIC Information Analysis Center for Science, Mathematics, and Environmental Education, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 October 1981 through 31 December 1981. (Project 761083 - Continuation)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$20,468.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax and Thoracic Simulator, Department of Mechanical Engineering (D. A. Guenther), 1 October 1981 through 10 February 1982. (Project 762594 - Continuation)

\$20,000.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Rockville, Maryland, Development and Validation of an Interdisciplinary Screening Tool, Nisonger Center for Mental Retardation (W. E. Loadman and F. A. Benson), 1 October 1981 through 30 September 1982. (Project 762390 - Continuation)

\$19,736.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthetic Organic Chemistry, Department of Chemistry (L. A. Paquette and A. A. Leone), 1 October 1981 through 30 September 1982. (Project 762900 - New)

\$19,040.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunobiology of Boronated Monoclonal Antibodies, Department of Pathology (R. F. Barth and C. W. Johnson), 1 October 1981 through 30 September 1982. (Project 762893 - New)

\$19,000.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Research Related to Inertial Surveying Systems, Department of Geodetic Science (I. I. Mueller), 15 September 1981 through 30 September 1981. (Project 761793 - Continuation)

\$15,810.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Develop a Communications Office and Cancer Information Service, Cancer Research Center (D. S. Yohn), 19 September 1981 through 15 November 1981. (Project 761352 - Continuation)

\$13,075.00 - National Science Foundation, Washington, D. C., Microcomputers in Mechanical Engineering Undergraduate Education, Department of Mechanical Engineering (K. Srinivasan), 15 October 1981 through 31 March 1984. (Project 762910 - New)

\$12,482.00 - Department of Education, Rehabilitation Services Administration, Washington, D. C., Rehabilitation Services Administration Training Program, Department of Communication (E. J. Hardick), 1 September 1981 through 31 August 1982. (Project 760885 - Continuation)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$10,200.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development and Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1981 through 30 June 1982. (Project 760927 - Continuation)

\$10,000.00 - Department of the Army, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, Soil Studies in the Coastal Plain of the Arctic National Wildlife Refuge in Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 9 October 1981 through 1 June 1982. (Project 762905 - New)

\$8,400.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies of the Distribution, Disposition and Metabolism of Antineoplastic Agents, College of Pharmacy (L. Malspeis), 15 September 1981 through 14 September 1982. (Project 761876 - Continuation)

\$7,777.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and The University of Sao Paulo, Brazil, International Programs in Agriculture (H. D. Bauman), 1 September 1981 through 31 August 1982. (Project 762420 - Continuation)

\$5,000.00 - National Endowment for the Arts, Washington, D. C., Visual Artists in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1982 through 31 December 1982. (Project 762909 - Continuation)

\$3,156.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, Detection of DNA Damage Following Exposure to Genotoxins, Departments of Pharmacology and Radiology (S. M. D'Ambrosio) and Department of Medicine (R. Whisler), 1 September 1981 through 31 August 1982. (Project 762787 - Continuation)

\$1,085.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Laboratory Reconstruction of Pedestrian Accidents, Department of Mechanical Engineering (D. A. Guenther), 1 July 1981 through 30 June 1982. (Project 762688 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$3,105,525.00**

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$75,000.00 - State of Ohio, Department of Mental Retardation Developmental Disabilities, Columbus, Ohio, Continuing Education for Child Care Professionals, Nisonger Center for Mental Retardation (M. J. Guralnick), 28 September 1981 through 28 July 1982. (Project 762895 - New)

\$22,560.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, A Study of Factors Influencing the Enrollment of Males in Secondary Vocational Education Programs Not Traditional for Their Sex, Department of Agricultural Education (J. A. Knight), 14 October 1981 through 31 July 1982. (Project 762921 - New)

\$9,850.00 - State of Ohio, Department of Health, Columbus, Ohio, Comparing Regulatory Decisions Under the 1122 and the CON Project Review Procedures, School of Allied Medical Professions (P. C. Nutt), 1 October 1981 through 30 September 1982. (Project 762901 - Continuation)

\$7,500.00 - State of Ohio, Department of Health, Columbus, Ohio, MCH and CCS/SSI Nutrition Materials Development, Nisonger Center for Mental Retardation (B. W. Kozlowski and M. J. Guralnick), 15 September 1981 through 30 June 1982. (Project 762902 - New)

\$3,900.00 - Ohio Arts Council, Columbus, Ohio, Support for Great Artist Series at Mershon Auditorium, Mershon Auditorium (T. Van Leer), 1 October 1981 through 31 May 1982. (Project 762913 - New)

\$600.00 - Ohio Arts Council, Columbus, Ohio, Support for Performance of the Paul Taylor Dance Company at Mershon Auditorium, Mershon Auditorium (T. Van Leer), 12 January 1982 through 14 January 1982. (Project 762914 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 119,410.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$471,119.00 - University of Cincinnati, College of Medicine, Cincinnati, Ohio, Area Health Education Centers (AHEC), College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1981 through 30 September 1982. (Project 762889 - Continuation)

\$98,296.00 - Associated Builders and Contractors, Inc., Washington, D. C., Painter and Plumber Apprenticeships Curriculum Development for Wheels of Learning Construction Training Program, Academic Faculty of Industrial Technology (D. G. Lux, W. E. Ray, and E. K. Blankenbaker), 1 October 1981 through 15 July 1982. (Project 762908 - New)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$49,306.00 - The Dow Chemical Company, Midland, Michigan, Synthetic Catalysts with Enzyme-Like Properties, Department of Biochemistry (G. P. Royer), 1 June 1981 through 31 May 1983. (Project 762759 - New)

\$44,415.00 - La Secretaria del Trabajo y Prevision Social de los Estados Unidos Mexicanos through Unidad Coordinadora del Empleo Capacitacion y Adiestramiento (UCECA), Mexico City, D. F., Republic of Mexico, UCECA Planning Project, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 15 December 1981. (Project 762919 - New)

\$29,992.00 - Forsvarets Materielverk, Stockholm, Sweden, Computation of the Performance of an Element Antenna Array Mounted on an Aircraft, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 6 July 1981 through 31 December 1981. (Project 762780 - New)

\$29,987.00 - Ford Aerospace and Communications Corporation, Western Development Laboratories Division, Palo Alto, California, A Frequency Sensitive Surface (FSS), Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 16 July 1981 through 16 November 1981. (Project 762883 - New)

\$29,427.00 - The Parker B. Francis Foundation, Hanover, New Hampshire, Application for Fellowship in Pulmonary Research, Department of Medicine (M. E. Whitcomb), 1 July 1981 through 30 June 1982. (Project 761553 - Continuation)

\$18,238.00 - Franklin County Mental Health and Retardation Board, Columbus, Ohio, Enhancement of the Decision Support System, Academic Faculty of Management Science (D. A. Schilling), 28 October 1981 through 31 December 1982. (Project 762923 - Continuation)

\$12,778.00 - The Columbus Foundation, Columbus, Ohio, Alfred L. Willson Conference on Problem Prevention in Early Youth, Academic Faculty of Educational Administration (L. L. Cunningham), 1 November 1981 through 31 October 1982. (Project 762911 - New)

\$12,750.00 - Princeton City School District, Cincinnati, Ohio, Alternative and Recommended Elementary School Housing Plans for the Princeton, Ohio, City School District and Comparative Studies of Staffing, Cost and Program Provisions of Each Plan, Academic Faculty of Educational Administration (L. H. Wagstaff), 1 August 1981 through 31 July 1982. (Project 762915 - New)

\$12,741.00 - Colorado State University, Fort Collins, Colorado, Pathogenesis of Animal Leukemia, Department of Veterinary Pathobiology (J. L. Rojko), 1 September 1981 through 31 October 1981. (Project 762840 - New)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$12,000.00 - Transamerica Delaval, Inc., Trenton, New Jersey, Electrochemical Reactivity and Stress Corrosion Cracking of Turbine Disc Alloys, Department of Metallurgical Engineering (D. D. Macdonald), 1 October 1981 through 31 December 1981. (Project 761965 - Continuation)

\$11,500.00 - National Glaziers and Glassworkers Industry, Apprenticeship Training and Journeymen Education Fund, Columbia, Maryland, A Two-Day Apprentice Instructor Workshop for the National Glaziers and Glassworkers Industry Apprenticeship Training and Journeymen Education Fund, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 15 November 1981. (Project 762912 - New)

\$9,981.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Kellogg National Fellowship Program, School of Architecture - Administration and Department of City and Regional Planning (S. I. Gordon), 1 September 1981 through 31 August 1982. (Project 762906 - New)

\$9,800.00 - Michigan State University, East Lansing, Michigan, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

\$8,890.00 - Cedars-Sinai Medical Center, Los Angeles, California, Cooperative Clinical Trial on the Dissolution of Gallstones by Bile Acid Feeding, Department of Medicine (F. B. Thomas and H. S. Mekhjian), 1 September 1981 through 31 August 1982. (Project 762380 - Continuation)

\$8,000.00 - City of Columbus, Department of Finance, Columbus, Ohio, Quality of Working Life Demonstration Effort, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (D. M. Ronchi), 1 July 1981 through 30 June 1982. (Project 760790 - Continuation)

\$8,000.00 - International Labor Organization, Bangkok, Thailand, Thailand Professional Development and Educational Leadership Project, College of Education - Administration (J. J. Buffer), 1 October 1981 through 30 November 1981. (Project 762924 - New)

\$6,000.00 - American Cancer Society - Ohio Division, Cleveland, Ohio, Intraocular Chorioretinal Resection as a Treatment for Choroidal Malignant Melanoma: An Animal Model, Department of Ophthalmology (F. H. Davidorf), 1 October 1981 through 30 September 1982. (Project 762886 - New)

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$5,997.00 - American Cancer Society - Ohio Division, Cleveland, Ohio, Environmental Factors and Wilms' Tumor, Department of Preventive Medicine (J. R. Wilkins, III), 1 October 1981 through 30 September 1982. (Project 762887 - New)

\$5,000.00 - China Council, The Asia Society, Inc., New York, New York, "Out-reach" Program of Information Diffusion, Speaker Series, Film Series, and Other Community Oriented Activities, University Center for International Studies and Department of Political Science (D. M. Lampton), 1 April 1981 through 31 March 1982. (Project 761026 - Continuation)

\$2,000.00 - Cuyahoga Community College District, Cleveland, Ohio, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$1,493.00 - Franklin County Mental Health Board, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (F. A. Benson), 1 January 1981 through 31 October 1981. (Project 762450 - Continuation)

\$1,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Neural Control of the Peripheral Circulation, Department of Physiology (J. Boulant and D. O. Nelson), 1 August 1981 through 31 August 1981. (Project 762096 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 898,710.00**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$110,323.00 - various industries for 33 development projects under the direction of eight engineering departments and one research area.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$35,309.00 - Mrs. Horatio Ebert, Boca Raton, Florida (1,139 shares of Rubbermaid, Inc., stock), for Cancer Research Fund.

\$24,631.64 - The Grand Chapter of Ohio, Order of the Eastern Star, Danville, Ohio, for Cancer Research Fund.

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$17,000.00 - Grange, Columbus, Ohio, for WOSU Support Fund.

\$10,000.00 - Dr. Dorothy J. Knull, Columbus, Ohio, for Josef N. Knull Memorial Fund in Entomology.

\$10,000.00 - Union Carbide Corporation, Tarrytown, New York--\$5,000.00 for Union Carbide Corporation Fellowship and Grant-in Aid Fund in Chemical Engineering and \$5,000.00 for Union Carbide Fund.

\$7,500.00 - Ohio Turfgrass Foundation, Columbus, Ohio, for Bio-Catalytic Soil Conditioners Research Fund.

\$7,500.00 - The Leo Yassenoff Foundation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,085.35 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Trust.

\$5,000.00 - The Duriron Company, Inc., Dayton, Ohio, for Duriron Company Metallurgical Engineering Scholarship Fund.

\$5,000.00 - Walter and Marian English Foundation, Columbus, Ohio, for Photography Gallery Development Fund.

\$5,000.00 - The N. C. R. Foundation, Dayton, Ohio, for The Ohio State University Campaign for China Exchange.

\$5,000.00 - Peat, Marwick, Mitchell and Company, Columbus, Ohio, for Peat, Marwick, Mitchell Discretionary Fund.

\$5,000.00 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

**OFFICE OF HEALTH SCIENCES**

**Establishment of Named Funds**

**The Ohio State University College of Optometry Progress Fund**

The Ohio State University College of Optometry Progress Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with funds made available from The Ohio State University Optometry Clinic, to receive gifts from alumni and the public.



December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF HEALTH SCIENCES (contd)**

**Establishment of Named Funds (contd)**

**The Ohio State University College of Optometry Progress Fund (contd)**

These funds and any subsequent gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used for those purposes which will aid the instructional and research programs in the College of Optometry, with priority given to those activities which will improve clinical instruction and practice. In the event that, with additions, the endowment becomes sufficiently large, it may also be used to help fund a professorship or chair. The income from this fund is specifically not to be used for scholarships or fellowships. The Vice President for Health Sciences and the Dean, College of Optometry, will have sole authority to approve expenditures from the fund.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for optometric education and research.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Cheerleaders Scholarship Fund**

The Cheerleaders Scholarship Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with the award for winning the National Collegiate Cheerleading Championship by the 1980-81 Ohio State University Cheerleading Squad.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarship assistance to one or more undergraduate students actively participating in varsity cheerleading. Students who have demonstrated academic ability and the need for financial assistance should receive first consideration. Selection of the recipient(s) is to be made by the University Scholarship Committee upon the recommendation of the Director of Athletics. If, in any year, there are no applicants for this award, the income may be used at the discretion of the Director of Athletics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the appropriate administrative official of the University who is then directly responsible for intercollegiate athletics.

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Friends and Alumni of the Ohio-Drake Unions Scholarship Fund**

The Friends and Alumni of the Ohio-Drake Unions Scholarship Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and alumni of the Ohio Unions.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarships for students participating in Ohio-Drake Unions' activities who have demonstrated a need for financial assistance. The selection of the recipient is to be made upon the recommendation of the Director of the Ohio Unions in cooperation with the University Scholarship Committee and the Board of Governors of the Ohio-Drake Unions Activities Alumni Association.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the Ohio Unions' activities.

**The Class of 1931 Library Fund**

The Class of 1931 Library Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts from members of the Class of 1931 in honor of the 50th anniversary year.

All gifts are to be invested in the University's permanent funds, under the rules and regulations adopted by the Trustees of The Ohio State University, with the right to invest and reinvest as the occasion dictates.

The annual income is to be used to provide acquisition funds for The Ohio State University's library system, toward the purchase of such items as rare books, special collections, and other necessary materials. Funds will be allocated by the authority of the Director of the University Libraries.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University, who is then directly responsible for the University's libraries.

December 10, 1981 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Apiculture Memorial Fund**

The Apiculture Memorial Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from interested persons and from the estate of William A. Stephen, Worthington, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for the Apiculture program in any one or all of Resident Instruction, Research and Extension through the Discretionary Fund of the Dean of the College of Agriculture and Home Economics. Use of the funds is to be determined annually by a joint committee consisting of the Dean of the College of Agriculture and Home Economics, the Chairman of the Department of Entomology, and the Senior Professor of Beekeeping. Any income not used in a given year will be added to the principal to increase the amount available for use in succeeding years.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics.

**The Richard Scott Smith Memorial Fund**

The Richard Scott Smith Memorial Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends of Mr. Richard Scott Smith of New Canaan, Connecticut.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded to one or more students in the School of Architecture. Recipients will be determined by the established procedures within the School of Architecture, with preference given to students with demonstrated financial need and leadership qualities.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the School of Architecture.

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**PLANS AND SPECIFICATIONS**

Resolution No. 82-56

*Synopsis: Plans and specifications are being proposed for the following projects.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**UNIVERSITY HOSPITAL RECEIVING DOCK MODIFICATIONS**

Project: Replace deteriorated dock, install additional covered dock and replace housing for refuse conveyor and compactor controls.

Funding: Budget Account 885105

Estimated Project Cost: \$94,185.00

**WOODRUFF AVENUE, REPAIR/REPLACE CURBS AND SIDEWALKS**

Project: Repair of curbs and sidewalks on the north side of Woodruff Avenue from Neil Avenue to High Street. This is necessary due to deterioration.

Funding: Budget Account 210134

Estimated Project Cost: \$35,500.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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December 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-57

*Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

**BULK CHEMICAL WAREHOUSE**

Description: This project will provide space to house a bulk chemical warehouse, laboratory reagent manufacturing facility, and a low-level radioactive waste processing facility to prepare the materials for shipment to disposal sites in accordance with Federal and other regulations.

**General Contract**

Date Received:	October 8, 1981
No. of Bids:	14
Low Bid:	\$ 558,900.00
High Bid:	\$ 743,998.00
Estimate of Cost:	\$ 732,064.00
Awarded to:	M & P Construction Company, Inc., Blacklick, Ohio

**Plumbing Contract**

Date Received:	October 8, 1981
No. of Bids:	11
Low Bid:	\$ 109,500.00*
High Bid:	\$ 160,000.00
Estimate of Cost:	\$ 87,069.00
Awarded to:	A-1 Plumbing and Heating, Inc., Columbus, Ohio

\*Plumbing Contract is in excess of filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

December 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

**BULK CHEMICAL WAREHOUSE (contd)**

**Fire Protection Contract**

Date Received:	October 8, 1981
No. of Bids:	5
Low Bid:	\$ 98,450.00*
High Bid:	\$ 168,335.00
Estimate of Cost:	\$ 94,626.00
Awarded to:	Fire and Safety Equipment Company, Washington Court House, Ohio

**Heating, Ventilating and Air Conditioning Contract**

Date Received:	October 8, 1981
No. of Bids:	10
Low Bid:	\$ 218,800.00*
High Bid:	\$ 262,000.00
Estimate of Cost:	\$ 172,154.00
Awarded to:	Radico, Inc., Columbus, Ohio

**Electrical Contract**

Date Received:	October 8, 1981
No. of Bids:	9
Low Bid:	\$ 198,975.00*
High Bid:	\$ 256,874.00
Estimate of Cost:	\$ 197,496.00
Awarded to:	Meisner Electric, Inc., Dublin, Ohio

\*Fire Protection, HVAC, and Electrical Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

December 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

**BULK CHEMICAL WAREHOUSE (contd)**

Total All Contracts:                   \$1,184,625.00  
Total Contingency Allowance:   \$ 49,401.12 which is 4 per cent of construction contract  
Total Project Cost:                   \$1,382,600.00  
Funding:                                Budget Account 882046

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**AUTHORITY TO ACQUIRE TITLE TO GIFTS**

Resolution No. 82-58

*Synopsis: Authority to acquire title to gifts is requested for the month of December, 1981.*

WHEREAS The Ohio State University Development Fund has had inquiries from potential donors who are considering making gifts to the University prior to December 31, 1981; and

WHEREAS the next meeting of the Board of Trustees will not be until after December 31, 1981:

NOW THEREFORE

BE IT RESOLVED, That the Chairman of the Fiscal Affairs Committee of the Board of Trustees and the President and/or Vice President for Business and Administration be authorized, during the period from December 1, 1981 through December 31, 1981, inclusive, to acquire title in the name of the Board of Trustees to such gifts that they determine, after appropriate review and evaluation, to be in the best interest of the University; and

BE IT FURTHER RESOLVED, That such gifts made on or before December 31, 1981, be accepted as gifts to the University through the Development Fund from the respective donors; and

December 10, 1981 meeting, Board of Trustees

### **AUTHORITY TO ACQUIRE TITLE TO GIFTS (contd)**

BE IT FURTHER RESOLVED, That these gifts be reported to the Board of Trustees at its next meeting.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

President Jennings:

In association with this action, while all the details have not been worked out yet, we do have at this stage--we will be announcing very shortly that Mr. William H. Davis, prominent Columbus businessman and philanthropist, will be providing an additional \$250,000 to the College of Medicine. This is a continuation of his previous donations for the William H. Davis Scholarship Fund for Basic Medical Research, and I would just like to recognize Mr. Davis' great contributions to The Ohio State University at this stage. It is gifts of that nature that represent the margin of excellence for this University. We will get the legal activity worked out in the next few days, and with this authority we will be able to accept this gift before the close of this calendar year.

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### **REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL**

President Jennings:

We do have one more report. As you know, the legislature recently passed the Capital Budget for Ohio State amounting to \$90 million. We would like to get on with those individual projects and one of the major projects is the Cancer Hospital. I would like at this stage for our people to present to you some of the basic concepts they are dealing with right now in terms of location of that Cancer Hospital. This is very preliminary work at this stage, and this same material will be presented to the Hospital Board next week for their recommendation to you. But I thought it worthwhile at this stage to present to you some of the preliminary thinking on this so that we might be able to move forward on this at the February meeting after we have received recommendations from the Hospital Board. Dr. Cramblett, perhaps you could get us started on the locational aspects of this Cancer Hospital.

Dr. Cramblett:

Mr. Chairman and members of the Board, Mr. Curtis Inscho, who has been the principal architect for many of the projects in the Health Sciences Center, has done considerable staff work for us in looking for potential sites. Obviously the siting of the Cancer Hospital will impact the program and the program requirements will impact the siting. So it is a terribly important decision to be made. I would like to introduce at this point Mr. Inscho for presentation; Mr. Hahn, who is assistant vice president in our office, who will also assist with the presentation.



December 10, 1981 meeting, Board of Trustees

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho:

I feel a little humble after that presentation from computer graphics. I would like to evidence the fact that I'll be the first student in the class when you organize those. I would like very much to be able to take this Cancer Hospital and by flipping a switch, move it all over campus. If I were to draw it that way, believe me, it would take me the next ten years, and then impossible almost to have it this way. So, we're back to the olden days of presentation, some visual supports I think might be of some help to you. First of all, I imagine you're pretty well oriented, Neil Avenue here, University Hospital, Rhodes Hall here, Upham Drive, Cannon Drive, the parking ramp, University Hospital Clinic, Means Hall, Upham, Postle, Starling-Loving, the Library and the Administration Building. So we are talking about this general area as potential sites or places for the Cancer Hospital. I tried to set up, and I'm going to go very briefly through this so that if you have any questions or things that I'm missing or more information you want on any particular site, please don't hesitate to interrupt me.

Basically starring some eight major considerations with regard to the location of the Cancer Institute Hospital:

1. Public visibility.
2. Pedestrian and vehicular access.
3. Availability of parking.
4. Direct access to hospital facilities. Perhaps I should expand on that just a little bit to tell you what I mean. In Rhodes Hall and University Hospital, the center complex here, we feel are already existing with sufficient capacities for receiving, storage, food service, administrative areas, and certainly the big diagnostic areas of the 2nd, 3rd, and 4th floors housing the radiology department, laboratories, pharmacies, surgeries, and that type of facilities. These are all vitally important to the Cancer Hospital itself, and certainly in the way of economics we don't want to have to duplicate them, nor really could we within the budget we have in a Cancer Hospital, be it located wherever. So, as close to or adjacent to--as near as we can get the Cancer Hospital and its functions to those facilities already existing, and sufficient to handle the additional load, the better off we are. So, that becomes then a very important one, I think, a direct access to the hospital facilities.
5. Disruption during construction. I think it is also an important one. Primarily I think that was capitalized in this group to show the hospital I am concerned--or whoever is going to do this job should be concerned--with what we're going to do to the day-to-day operations of that hospital while all of this is going on. It's a four to five year program from now until the time we have patients in that building. So that anything that's going on in a way that would totally disrupt the operation of the hospital would be a very serious thing.

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho: (contd)

6. Access to Radiation Therapy. Radiation Therapy, as you know, is a part of that Capital Improvements Budget--the funds are available for planning only. But, we feel that there is a very direct relationship with the Cancer Institute Hospital and the new facility proposed for Radiation Therapy, so that we may hopefully--those two projects can be designed together, if not built together, but certainly wind up together. The patients in the Cancer Hospital and also the research and diagnostic facilities, and the treatment for outpatients and so on are thoroughly dependent upon the Radiation Therapy facilities being adjacent to them.
7. The effect on the project cost of the location. I mentioned the duplication of expensive services, and certainly those things I mentioned, of laboratories, surgeries, radiology departments, and so on are the really most expensive part of most any hospital. So it does have an effect on cost.
8. Adequacies for future expansion is important because there isn't any doubt in my mind, and I'm sure none of the other people's, that once this center is established, that it will be drawing and it will be enlarging, it will be increasing, and one of these days there will have to be additions to it. So the site itself should have the capacity for expansion. Those are the major considerations. There are hundreds more.

Now in order to arrive at the sites, we quickly identified five or six sites, or potential locations for this project. And, of course, the first thing that had to be done as far as I'm concerned, is to decide how much space are we talking about, how much area is this building actually going to take. So we took a Cancer Hospital with no attempt to design the building--that's not my charge; my charge is that, to select a site. But it is pretty difficult to have a site consideration without knowing what kind of building you are going to have, or the size. We did develop what we thought would be necessary for a typical patient floor. We'll probably have five of them or so, but that typical patient floor, housing the nursing facilities for the patients, created the basic size overall of the building. That was determined to be about 18,000 square feet. So, as you work down, that building requires a minimum of siting of 18,000 feet on the ground. So, with that in mind, we began to analyze the various sites we thought were worthy of consideration to see what would happen.

So we come back to Site No.1, which is located just west of Rhodes Hall, south of Means, and north of the Clinic, east of the parking ramp. You are familiar, I am sure, with that particular area. Now, 10th I think runs through there. It is the emergency entrance to Rhodes Hall; it comes around through here, underneath. So in just taking that, this area No.1, very quickly, a ground floor unit--here again is the Clinic, Means Hall, Rhodes Hall, the parking ramp. In order to get our

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho: (contd)

18,000 square feet building into there, we would go literally from University Clinic to Means Hall, and pretty much a big hunk of that space, requiring the elimination of the road through, we can take the emergency entrance and roads down around this way to get by that problem, but it does close that entire space.

You say, 'Well, what kind of an outlook do we have if we have a patient floor area here?' We're looking really at the back end of the Clinic. The Clinic now is a six story building; it was designed and planned for five additional floors, bringing it up to eleven floors, which is the height of Rhodes Hall and University Hospital. So here we would be just too crowded in that particular place. It just isn't the area. So that is one of the major things, the public visibility, you can say, fair, from Upham Drive along here it has good visibility from the parking ramp, adjacent to that, that part of it would work out fine, the direct access to the hospital facilities, it exists now from Means Hall across to Rhodes Hall on the second floor. There is a bridge across the roof of Rhodes Hall, if you recall, or remember. We would have to then build additional levels of bridges to connect to Rhodes Hall to satisfy the movement of patients from the Cancer Hospital to Radiation Therapy or to Radiation Therapy and X-ray departments existing on the second floor of Rhodes, and certainly the fourth floor surgeries and so forth. So probably the effect on the cost of this particular site versus someplace immediately adjacent or some other site, would be the cost of bridges, perhaps at two or three levels.

Go back to the Site No. 2, which is up in this area. We have, and these are very schematic, very quick things but I think they will show you what our thinking is up to now. There are many more details later that we will go over, but we'll let that go till another time, or if you wish, I'll be available from now on to discuss any one of them in more detail that you would like. If we take Site No. 2, between Bioscience-Wiseman Hall, north of Upham, and north of 12th Avenue, now a parking lot. There is adequate ground there. Again, the public visibility off of 12th Avenue could be (it's an independent building); it has its own architectural identity as such, or could. And come back to the traffic, the parking would be adequate, satisfactory. Now, again, that access to the hospital, access to the existing facilities right here, this piece of ground is ten feet lower than this; it is twenty feet lower than out in front of Rhodes, so we are down on lower levels, so we would have to build above ground bridge connections, from this building down to this building, through the University Hospital in order to get in and utilize all the services we have already constructed. So this does create a rather sizable additional project cost, ranging anywhere from a million to two million in the building of those bridges, bridging 12th Avenue and so on. It's quite a haul for everything. If we've concentrated all of the activities within the hospital and they are sufficient in size and area, to accommodate this building, we've got a long walk. The laboratory technicians who are going for blood samples, make that walk. The patients make that trip going and coming from surgery. So it just seems to me a little too far out.

December 10, 1981 meeting, Board of Trustees

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho: (contd)

Now there have been many suggestions, and I got to admit that my first attempt to tackle this problem started off in Site No. 3. Why? It is right adjacent to the north end of the University Hospital. Boom, just feed right into it--totally. However, the more you get into it, the more problems I've found. Let me tell you just a few of them. First of all, as you know this is our receiving dock. A receiving dock right now comes off of 12th Avenue in here and into this whole area. There's a loading dock all the way across here. This is the receiving, storage, linens, all types of receiving comes in off this dock. Right now (we have found this out a few years ago) when we were making some studies of utilization of existing University Hospital, that there was already a tremendous shortage of receiving-storage type space, particularly all in one spot. There is a lot of storage, but it is sort of scattered all over. So if we attempt to build here, we have wiped out our receiving and loading dock areas in order to build a building in here. So we say, 'Okay, let's leave that in here, and we'll build on top.' Well, now what we have done, we've increased the scope of our project not only to include a Cancer Institute Hospital, but we're also going to create a receiving area, loading docks, maintenance shops; things that are not very glamorous when you think of hospitals and hospital buildings. But believe me, the shop activities, the storage and receiving of supplies, is unbelievable, so we have to recognize it as an important part of a function of a hospital. So I don't think we can ignore that.

The planning that we tried to do within that area in order to say, 'Can we get it in there?' Well, yes, we can get it in there. You can do almost anything these days, but what would happen? Well, we would have our entrance to the Cancer Hospital; this is a ground floor on the back side entrance to the Cancer Hospital from 12th Avenue on the north. These are the additions to Radiation Therapy which I mentioned before so that up on the first floor, we would have the outpatient departments over the cancer area. We come to the second floor; again, outpatient treatment, research-type facilities of cancer, this would be additions to Radiation Therapy adjacent to the second floor of Rhodes Hall, which has all of our X-ray department here.

Then the tower of the patient tower would rise at this particular location. So thinking now that we have five or six floors of patients and where is their vision? Out here to the back end of the hospital here, 20-30 feet across the fence here, 30 feet across the fence over here, and we are looking to sit on top of the loading docks, looking in the back end of Upham and Means Halls. So looking from the standpoint of public visibility, I think it leaves a lot to be desired.

And immediately, somebody coming to the Hospital--and it seems to me that every time I walk anywhere near around that area, I get stopped at least twice by people saying, 'How do I get to someplace?' And it isn't easy to answer that. I've tried and I direct and so on, but what would I say here; I'd say, 'It's around back.'

December 10, 1981 meeting, Board of Trustees

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho: (contd)

Now, I'm out in the front of Rhodes--where is the Cancer Hospital? It's around in back. I don't think that quite has the visibility, the public visibility, that a building of this magnitude should have. So I kind of got away from this thing as not a workable solution at all to our problem. We're not only increasing our scope of our project, thus reducing the amount of money available for the Cancer Center, but I think we have it oriented in such a way that it's just not acceptable for a major project of this type.

Well, then we are back to No. 4 and No. 5 which is the next logical step. We've hooked on to the back of the University Hospital. This is what we call a north wing. It stops right here. This area is eleven stories high. This is two stories. Let's go out from here so we have a connection in here, and we connect on eleven floors if we want to. So we go on the back end. Then, we say, 'Well, let's go to the extreme and eliminate 12th Avenue going through--take 12th Avenue and turn it up someplace else; deadend 12th Avenue back in here--so that we could physically connect the existing hospital to the new hospital.' What does that do for us? Well, all right, here is our 18,000 square feet. This is no problem. We can get it into there. We can expand our Radiation Therapy potentially when that money comes along, and certainly, the planning, again, as I say, should be done together right adjacent to the existing Radiation Therapy. We've got a nice separate entrance for outpatients coming into Radiation Therapy. That's good; there is a lot of it. We've got an entrance coming down 12th Avenue to get into the Cancer Institute Hospital. (Neil Avenue is right here, so where we are is at this site). So if our main entrance, you say, 'Where is the Cancer Hospital?' Well, you go up Neil and you turn in 12th and there it is back there. There is a turnaround and you can go back out or you can go back in here. But we're in here between Wiseman, Water Resources, the Greenhouses (which are here to actual scale as they are). This is Postle Hall which is Dentistry. Right here is the trash pick-up area of Postle Hall, the back of Postle. This is the only place we had to get into and out of the Cancer Hospital. So, again, I think the public visibility of around back there is kind of lost because our Hospital is down here. Here's our main entrance and somehow or other it should be developed into and tie into it.

So, then we say, 'Well, if we left 12th Avenue and let's just put a little hook in 12th Avenue and connect it back here so that it sort of sits back there as a separate entity and doesn't just make this long string that we had on the other drive.' Leave 12th this way and let 12th Avenue go all the way through so you get to the building from this end or this end, which gives it a little better, I think, reflection and connotation than back over here coming in only from Neil so we can get in from both sides.

Again, if the building were here, we'd have a turnaround out here and so forth. In here would be the Radiation Therapy additions--again in here. If this building were here sited, for example--and don't worry too much about the shape, it's a block of 18,000 feet--actually it's a couple of nursing units here, but that's a detail for the physical planning of those buildings which is going to come along at a later date.

December 10, 1981 meeting, Board of Trustees

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho: (contd)

But the distance to travel--where we want to get to is here at Broad and High for connections. This is the existing elevator bank in the east area of University Hospital; present entrance of University Hospital over here; entrance to Rhodes over here. The services we are talking about is in this particular area; most of them oriented to entry at this end. So if we make the comparison here--so we're talking distances, and this brings in bearing Site No. 5, so that this building sited here adjacent to the east end of University Hospital gives you a direct flow from there to the working areas of University and Rhodes. Now, surgeries, the entrances that are in here--can get in here; radiology, the same way; laboratories and all of those things, so that your access is rather direct across there. You get the same direct access back here except that it is a couple hundred feet shorter or longer back here.

So these were the major concerns with these five sites that we've identified here, or six. We had a look--I didn't bring any drawings because I didn't think it would do anything that some of these others we haven't talked about. The big problem down here or anywhere in this area is, again, the connections and the getting up to the main parts of the one utilized. Somebody says, 'Let's go across the river.' If--or back down west of Cannon, anywhere--if we go anywhere down into there, it means almost automatically duplicating \$20 million worth of services that we've already got here. Now that sounds like a fantastic figure, but believe me, when you start building food services, laboratories, pharmacies, X-ray departments, surgeries, and all that type of thing, we're talking about an awful lot of money. And it just isn't in the cards that we walk away from that which we have in adequate supply, and I'm not sure on the programming of Rhodes, but I think George could verify the fact that in the original planning of those buildings were the increased capacities, able to take care of the new cancer unit, because we have been talking about this for years. So that these facilities are here and it just doesn't make any sense to walk away and leave them there.

So we go from there to say, 'Well, what would happen in this area?' We're all concerned as we should be with green areas and green spaces. We've got a real nice one in front of--north of--Hamilton, Starling-Loving, and south of Postle--this area right here. It is very nice. I think it could be better, but it's real nice right now. It's green and there are lots of trees. The identity of this building--and at the time we were doing these drawings, we did not have a program, a program had not been developed; they've been working on one. I've seen a draft of that program within the last week or two, and it doesn't change, as far as I'm concerned, that basic area of the 18,000 feet roughly, and some of the emphasis on entrance and service and the delivery of outpatients who come into these particular treatment facilities for treatment, maybe as much as three or four times a week for an hour, for maybe thirty treatments. So you will have outpatients coming in almost continuously. So they should be able to get into these facilities and out, not through the front door. So it's pretty important to have the circulation. Ingress

**REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)**

Mr. Inscho: (contd)

and egress have been studied out pretty thoroughly, and it will be done later on in the physical planning. This would say this building, in that shape as you remember, again opened up on the first floor similar to Rhodes, similar to the Library, so you do get some vision through it. So we are trying to relate this to be a part of University Hospital, but a separate entity; then you could have the entrance or the access to this or so reflect some of Postle, and I think it's important to think of the future expansions of these areas. I mentioned that the Clinic was designed to accommodate five additional floors. This Library is designed to accommodate two additional floors; this little area of optometry is designed for five additional floors; this new--the latest wing of Postle Hall is designed for two additional floors. So that some of the expansion of the areas around here are not going to be horizontal; they'll be vertical. And I think that's good because that doesn't eat up any more of our green or our land spaces. So basically this is the areas that are developed around the potential sites that we have available. Now, let me quickly stop for a minute and what can I tell you more--and I could spend, believe me, a few more hours if you wanted to get into more details.

Mr. Devenow: I don't think we do.

Mr. Inscho: I'm sure you don't.

Mr. Devenow:

I want to thank you very much. It is quite a problem, and, Jim, we'll be looking to the Hospital Board for recommendations on this thing. I think they ought to get into detail, it's too complex for us to get into at this point.

Mr. Hilliker: That Board you don't have to worry about. They'll give them the details.

President Jennings:

Well, I think that, Mr. Chairman, very important that the Hospital Board is looking into that, and we need to share this with the entire community as the Hospital Board begins to look at that. This, of course, is going to be one of the major projects in the years to come. But it is also going to be one of the major national centers for research in cancer, our most dreaded disease, and I think that constructing a building here we are setting the stage for a center of excellence that is going to be unmatched in the nation and perhaps in the world. I think as we get down on this all the work, it will be long and complicated, but it is going to be worth it in the long run when we have the center of excellence.

Mr. Devenow: Thanks very much.

President Jennings:

Do you have anything else, Mr. Chairman? That concludes my report.

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**STATEMENT BY CHAIRMAN OF BOARD OF TRUSTEES**

Mr. Devenow:

I would like to make a statement before I ask for the adjournment. When Dr. Jennings came to The Ohio State University on September 1, he brought to the presidency an outstanding record as educator and administrator, and a demonstrated capacity for excellence and professional achievement. In recognition of the importance of this appointment, the formal conferring of authority on Dr. Jennings as the tenth President of The Ohio State University at an appropriate occasion is a matter which deserves the attention of not only this Board but of all members of the University community as well as the various other constituent groups.

In keeping with the history and traditions of colleges and universities, it is the wish of this University to entrust the Office of President to Dr. Jennings in a formal public setting and with ceremonial proceedings judged to be consistent with the customs and traditions of the academy.

In discussing this matter with the President, we have agreed that the ceremony for his investiture should take place during the week of March 8, 1982. So that we may move forward with the development of the requisite and necessary plans for this most important occasion, I am asking that the Secretary of the Board of Trustees serve as the designee of this Board to work with the President and any committees as may be appointed by the President to coordinate this effort. I would like to have your concurrence for this Board to specify that funds to defray expenses in connection with the President's inauguration shall be made available from the unrestricted endowment accounts of the University.

Upon motion of Mr. Smith, seconded by Dr. Jacob, the Board of Trustees approved the foregoing recommendation by unanimous roll call vote.

President Jennings:

Mr. Chairman, I would just like to say, in connection with that inauguration I have asked the Search Committee that you appointed on recommendation of the University Senate to act as the committee on that inauguration. And I want to say I certainly appreciate this Board's recognition and support in the context of establishing a date for the inauguration as well as the salary decision you made a few moments ago. I, for one, thank you for that and am very much appreciative of your support as we tackle some of these major problems in the institution.

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December 10, 1981 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-59

RESOLVED, That the report on the University's Investment Portfolio, dated November 20, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, February 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-SIXTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 5, 1982

The Board of Trustees met at its regular monthly meeting on Friday, February 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

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Minutes of the last meeting were approved.

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February 5, 1982 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

## **REPORT - THE NATIONAL CENTER FOR RESEARCH IN VOCATIONAL EDUCATION**

The President called on Provost Reynolds to introduce Dr. Taylor for a report on The National Center for Research in Vocational Education.

Provost Reynolds:

Thank you very much. I think many of you already know Dr. Robert Taylor who is Executive Director of The National Center for Research in Vocational Education. Dr. Taylor was the guiding force in arranging to have the National Center developed and in obtaining Federal funding for it. He was actually the initiator for the National Center. Dr. Taylor also serves as Associate Dean in The Ohio State University College of Agriculture and Home Economics and also has an appointment in our College of Education. His most senior academic degree is from The Ohio State University; his bachelor's and master's degrees were awarded by the University of Arizona. Dr. Taylor's activities take on a wide international sphere; as well, he was one of five national leaders designated by the U. S. Office of Education and Department of State to study vocational education programs in Russia. He has also traveled and consulted extensively in Europe, North and South America studying national training and vocational systems. He has published widely, but I think the real reason we wanted him to present to you today was to bring you up to date both on initiatives occurring currently in The National Center for Research in Vocational Education and also to apprise the Board concomitant to our difficulties with State funding we are experiencing some real struggles in an effort to have our Federal funding continue at levels that are necessary to support our programs.

Dr. Taylor:

Thank you Ann, Chairman Devenow and President Jennings, and Members of the Trustees:

I appreciate this opportunity to give you a brief update on the National Center. I last appeared before you when we received our \$25 million grant in 1978 and as we approach our 17th year, hopefully we can apprise you of our status, our directions, and comment on some of the impact of Federal R&D policy on our operation.

You will recall that we are unlike other units on campus that are organized along disciplinary lines. We are an interdisciplinary organization focusing on a mission

February 5, 1982 meeting, Board of Trustees

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN  
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

that deals with the planning, preparation, and progression of individuals for careers. We carry out our mission in terms of generating knowledge through research, developing educational products and programs, evaluation, providing information for national planning and policy, installing education programs and products, operating national information systems and services and conducting leadership development and training activities. We work with all types of vocational education, not just the public school programs in the high schools and community colleges, but with other types such as apprenticeship, with five international labor unions, with industry sponsored training, with training conducted through private trade and technical schools, special institutions, and others.

Since our beginning in 1965, we have brought some \$88 million to campus and just last week signed our fifth year contract on the main National Center contract in the amount of \$4.8 million. We have contracts in force of \$9.4 million. We have a number of proposed grants and contracts outstanding and we believe by July 1 we should have contracts in force approaching \$15 million. We are funded through a number of Federal agencies and also through private sources as well as the states and other institutions. About 70 per cent of our current funding comes from various sectors of the Federal government. We think with our expansion in the international field and our continued emphasis on diversification that we will be able to bring the Federal portion of our funding down to the neighborhood of 60 per cent.

We have conducted a number of research and development projects, and our products catalog lists approximately a thousand reports. I just wanted to share with you one research activity that went on over a number of years that focused on the preparation of vocational teachers that is now being used in all 50 states, all Canadian provinces, and 32 foreign countries. We estimate that some 100,000+ teachers have been prepared using these Performance Based Teacher Education materials. They are also being used by a number of private industries, and by other areas of government such as Defense, Agriculture, Commerce, and others in their training programs.

Just to give you some sense of outreach, during the 1981 year we served 50,000 information requests. We operate the National Information System for Vocational, Career, and Adult Education and we have a number of other clearinghouse activities, including one that we expect to be starting shortly for the Department of Labor in their Job Corps operation. We have a large number of visitors and others that draw on and look upon the National Center as an information source, both nationally and internationally. Additionally, in terms of outreach, ten of our projects last year had some 93 field sites where we had staff working collaboratively with institutions, such as state departments of education, local schools, community colleges, universities, and others and were involved in field activities in some 57 states, territories, and districts. Last year the National Center received some 1,380 people representing 52 different states and 45 foreign countries. I

February 5, 1982 meeting, Board of Trustees

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN  
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

might add the number of international visitors is increasing and these people are representing either federal ministries in education or labor. They come to OSU to familiarize themselves with our work and activities. We are, in some instances, beginning to work with them in terms of contracting and the development of vocational and technical training in their countries.

One of the main purposes of the National Center is that of leadership development, and we accomplish this through our support of graduate students working on doctoral level activities, and in terms of leadership training across the country through the National Academy, and also through postdoctoral and advanced study for individuals who are established scholars. With respect to graduate research associates, we have since 1965 supported for several years while working on a doctorate, some 412 individuals who completed their doctorate in 17 different departments and five colleges and schools of the University. Currently we are supporting 32 individuals who are working on doctorates in seven departments and four colleges and schools of the University. Our support for graduate students to date has exceeded some \$5 million.

Through our National Academy we conducted last year 109 national workshops and seminars that were held in 25 different states and involved almost 4,000 state and national leaders from all of the 57 states and territories and also involved individuals from some 15 foreign countries. Beyond the Academy, we have an Advanced Study Center where we support individuals for full-time residency of some nine- to 12-month duration. We have had 28 individuals from 19 states, including full professors from institutions like Stanford, North Carolina, Texas, Syracuse and others, who have completed a number of books and major monographs. In our National Academy, we have had 130 individuals here as In-Residents for periods of several weeks and then we have a number of sabbatics, both from the states and Fulbright scholars from other countries such as Poland, Germany, Canada, Australia, Philippines, and others.

In terms of international efforts to date, we have completed contracts with a number of foreign countries. We have seven current contracts in force and we expect to expand our work and activity in this particular area. We expect by July 1 to have work under way in about five additional foreign countries amounting to some \$3 to \$4 million in contracts and grants.

With respect to new initiatives, one of the major areas of focus and activity for the Center right now is the area of economic development. This includes activities designed to strengthen the linkages between schools of all types and the business/industry/labor sector. We are expanding our work with respect to private sector training by working with groups like Westinghouse, Control Data, General Electric, and others. We are trying to expand the options and possibilities of young people who are completing vocational and technical education to become self-

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN  
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

employed entrepreneurs. We are working in the area of high technology as it relates to the interface between technical institutes, community colleges, and high technology firms. We are expecting to establish an Executive In-Residence program for individuals responsible for corporate training and other types of training. They would come to the Center for in-service development and advancement. We have a number of major collaborative activities under way working with such groups as the U. S. Chamber of Commerce, National Association of Manufacturers, and National Association of State Legislatures. Five international labor unions are presently supporting us and additionally we have put together working relationships with a number of centers of excellence--R&D centers in Geneva; Tourin, Italy; Berlin; The Hague; and Paris, so that we have an opportunity to tie into the research and development work that is going on in some of the other advanced R&D centers in our field.

Let me take just a minute, if I may, and talk a bit about some of the problems that we are experiencing in working in the Federal policy arena. I mean Federal policies affecting research and development. It seems to be translating into such things as reduced support and appropriations. Additionally, there appears to be a limiting of discretion and independence on the part of researchers. The dollars are being specified and targeted and there is a tendency to shift away from discovery, invention and more fundamental research problems to things that are applied and in some instances to only activities of dissemination. Additionally, appropriation levels for R&D are diminishing in some areas. Decision processes that used to be predictable and dependable with respect to contracts and grants are being delayed. This makes it extremely difficult to maintain staff and to maintain continuity in programs and activities. Finally we have a situation of excessive evaluation and audits. For example, the National Center has been audited on some \$28 million of our Federal contracts. Fortunately we have had no audit exceptions, but we have had 999 person days of site visits, reviews, and audits in the last three years. That means more than one person a day in our building doing evaluation and audits on our several activities.

In terms of needs, as we see them, there is a strong need for continuing and core support that would provide a basis of protecting staff and allowing us to continue between contracts and what might be potential delays. Additionally, we have a situation where there is an increasing requirement of some form of matching or local contribution for major contracts. The amount of this matching is becoming increasingly competitive among universities; in some instances overhead is being waived. Second, we also see a need for a fund that could be labeled "independent R&D" and that would enable us to begin exploratory studies to begin investigation and activity into areas that we later could translate into legislation for Federal support or private sector development. Third, we need to consolidate our staff

February 5, 1982 meeting, Board of Trustees

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN  
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

and operation in terms of buildings. We are continuing to pay rent as we have since 1978. Our operations would be improved by being able to more closely group our staff.

Now with respect to the future, I think that the mission and problem focus of the National Center is going to continue to be significant. The matter of helping people plan, prepare and progress in careers is going to be an increasingly important problem area. We have the opportunity to diversify our funding, not only domestically but also in terms of the international sector. Reauthorization of the Federal vocational education act is now before the Congress. We are being recommended for continuance in the renewed legislation by the American Vocational Association, Chief State School Officers, State Directors of Vocational Education, the President's National Advisory Council, University Council for Vocational Education, and others. There is other manpower legislation including CETA, apprenticeship and others that are currently being considered for reauthorization. We see the opportunity to build in additional research and development activities for support in that area. We plan to continue our focus of activities on the several vocational education delivery systems that are available for manpower training and development. We also plan to continue our work in the international field, to translate our technology into the needs and requirements of other countries, to learn from their experiences in national planning and development, and to help a comparative dimension into American systems. I want to thank you for this opportunity to report to you and would be pleased to respond to any questions that you might have.

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**REPORT - STUDENT FINANCIAL AIDS**

Provost Reynolds:

In the interest of time I will move right ahead. At first glance, Bob Taylor and Rod Harrison might appear to be strange program partners, but they do have some things in common. They have in common a long affiliation with The Ohio State University and a total commitment to the welfare and well-being of this institution. There is another item they hold in common as well--Federal and other outright sources of support are necessary to the success of their efforts and to this end we have asked Mr. Rodney Harrison, Director of Student Financial Aids, who incidentally has been at this institution working in this area for some 24 years, and who reports, of course, to Vice President Nester, to talk to us today about Federal student financial aid. I think each of you will find at your places a hand-out which you might want to follow along with during Mr. Harrison's presentation.



**REPORT - STUDENT FINANCIAL AID**

Mr. Harrison:

The importance of Federal student financial aid at The Ohio State University is immeasurable. The resources enable us to enroll large numbers of students who would be totally incapable of financing an education, even at their own state university. It also encourages students to seek higher degrees than they might otherwise be financially able to pursue.

In reviewing the proposed Federal budgets, we are providing you information relative to the impact of the Pell Grant, Supplemental Educational Opportunity Grant, National Direct Student Loan, and College Work-Study Program. Following is a chart which indicates the number of students and average loan or grant under those programs during this year at The Ohio State University. Although these are significant, they need to be related to the rapidly increasing undergraduate fees at Ohio State, which now total \$1,330 per year. This means that most needy students must have support from more than one program.

**PRESENT WORTH OF PROGRAMS, 1981-82  
AT THE OHIO STATE UNIVERSITY**

Program	No. of Students	Loan/Grant
National Direct Student Loan (NDSL)	4,000	\$1,050
Supplemental Educational Opportunity Grant (SEOG)	700	750
Pell Grants (BEOG)	9,200	890
College Work-Study	2,500	1,050

In order to review the impact of the proposed budget reductions, we took the average of the Federal appropriations for these programs for Fiscal 80 and 81, then took the average of our appropriations for those same two years. This established an average percent of the total appropriation which was coming to The Ohio State University. Taking those percentages, we calculated the potential impact on Ohio State by comparing that to FY-82 Continuing Resolution Budget and found it would mean a \$993,025 reduction in financial aid resources. In comparing it to the FY-82 Administration Revised Budget, we found a reduction of \$1,471,593, or over 13%. Compared with the Proposed OMB budget for FY-83, the reduction amounts to \$6,119,898, or 49%.

Following this analysis, we reviewed the Guaranteed Student Loan Program and felt that a similar analysis of the budget was not appropriate because of the rapidly changing eligibility requirements and because of specific concerns about proposals being promulgated by the Administration for additional change. This program has been enormously important to our students. Almost \$7,000,000 was

February 5, 1982 meeting, Board of Trustees

**REPORT - STUDENT FINANCIAL AID (contd)**

Mr. Harrison: (contd)

borrowed during 1981 by students enrolled in our Health Profession colleges. The potential loss of these funds for these students would be devastating.

With the knowledge that choices will have to be made in order to bring Federal spending under control, we are providing for your information and consideration the University's priorities relative to funding concerns and administrative changes in the program. These priorities are summarized as follows:

1. Guaranteed Student Loan. This is our major concern. We urge the retention of eligibility for graduate and professional students in this program and that they not be forced into the Auxiliary Loan to Assist Students (ALAS) as has been proposed by the Administration.
2. Pell Grants.
3. College Work-Study Program.
4. National Direct Student Loan.
5. Supplemental Educational Opportunity Grant.

In summary, we wish to express to you our sincere thanks for your continued support of these programs and, in particular, call your attention to the vital concern relative to the eligibility requirements for graduate and professional students in the Guaranteed Student Loan Program.

In reviewing the impact on The Ohio State University, we find that if we review the numbers of students in the College Work-Study, National Direct Student Loan, Supplemental Educational Opportunity Grant, Pell (Basic) Grant, Health Professions Loans, and the Guaranteed Student Loan, we have approximately 23,500 students enrolled at The Ohio State University because these funds have been made available.

President Jennings:

Thank you Rod. I think it is important to note that both these financial areas--whether in the research area or in the student financial aid area--this institution is greatly dependent on Federal funds as well as State funds for the support, and I think it is--as we concern ourselves with State financing, it is very important to all of us to remember that this financing situation is being doubled up right now because the Federal monies are clearly being impacted in a very major way for our institution. It is happening simultaneously. At this stage it seems unlikely that we can look to our additional Federal funding to solve some of our State funding problems at the institution.

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February 5, 1982 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM

Resolution No. 82-60

*Synopsis: Resolutions honoring the service of seven of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Camille J. Botte

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 9, 1982, of Camille J. Botte, Assistant Professor Emeritus in the Department of Economics.

Professor Botte received all of his higher education at The Ohio State University, earning B.S.Edu., M.A., and Ph.D. degrees, the latter degree in 1934. Upon completion of the Ph.D., Dr. Botte joined the federal government as Ohio Chief for Research and Records in the Worker Progress Administration. From there he moved to the Office of Price Administration and finally became a Senior Economist with the War Labor Board. In 1943 he left federal service to become Research Economist with the Ohio Chamber of Commerce, a position he held for 15 years.

In 1946 with the post-World War II veterans enrollment expansion, Dr. Botte came back to the University as a part-time lecturer in the Twilight School. After retiring from the Ohio Chamber of Commerce, he became a full-time Assistant Professor. During more than 20 years, thousands of students in elementary economics benefitted from the stimulating teaching enriched by Professor Botte's government and business experience.

Professor Botte was active in the community and professional organizations, including the American Economics Association and the American Statistical Association. But above all he was a loyal friend and supporter of The Ohio State University as an active member of the Alumni Association, the Presidents Club, and the Faculty Club.

On behalf of the University, the Board of Trustees expresses to the family, its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Richard W. Deeds

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 7, 1981, of Dr. Richard W. Deeds, Professor Emeritus in the College of Dentistry.

February 5, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Richard W. Deeds (contd)

Dr. Deeds received his D.D.S. degree from The Ohio State University in 1929.

After graduation from The Ohio State University College of Dentistry, Dr. Deeds practiced in Portsmouth until he joined the faculty in 1944 and maintained a very successful private practice in Upper Arlington. He retired in 1970.

Dr. Deeds was a member of Sigma Pi Fraternity, Psi Omega Dental Fraternity and Omicron Kappa Upsilon. He was on the Advisory Committee of Psi Omega Alumni Association and House Committee. He was a member of the Columbus Dental Society, The Ohio State University Alumni Association, the Ohio Dental Association and the American Dental Association.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

R. Richard Howard

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 6, 1982, of R. Richard Howard, Associate Professor Emeritus, Cooperative Extension Service.

Mr. Howard was born in Shiloh, Richland County, Ohio, on March 17, 1920. He attended high school there then earned a B.S.Agr. degree in 1942 and a M.A. degree in 1962 from The Ohio State University.

In 1946 he joined the Extension Service as an Associate County Agent in Summit County. In 1950 he became County Extension Agent and later became a Marketing Agent, serving for two years in the Akron-Youngstown area. Dick joined the state Extension faculty as Radio Editor in 1960, a position he held until his retirement on January 31, 1976.

Dick was widely known for his keen wit and subtle humor and was a popular MC at meetings.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Howard its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, University, and his many friends and associates have sustained.

February 5, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Dale Allen Ray

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 22, 1981, of Dale Allen Ray, Professor and Assistant Chairman, Department of Agronomy.

Dr. Ray graduated with a B.S. degree from Purdue University in 1947; Master's degree from Purdue University in 1949. He received his Ph.D. degree in agronomy in 1952 from North Carolina State.

He was Assistant Professor of Agronomy and Genetics at West Virginia University, Morgantown, West Virginia, from 1952 to 1956. He came to The Ohio State University on July 1, 1956. At Ohio State, he taught grain crops courses, did oat and barley research plus various administrative duties.

He was a World War II Veteran, E.T.O. decorated, Combat Infantry Badge.

While at Purdue University, he was a member of the Purdue University Glee Club.

Organizations which Dr. Ray belonged to were: Alpha Gamma Rho Fraternity, Alpha Zeta, Kappa Delta Pi, Gamma Sigma Delta, American Society of Agronomy, American Society of Genetics, Ohio State Faculty Club, Ohio State Open Court, OSU Bowling League-Agronomy Department Team. In all of these organizations, he at one time held officer status.

In 1969, he was awarded outstanding faculty award in agronomy, selected by students. He was a long-time based member of Ohio Seed Improvement Association and Foundation Seeds of Croton, Ohio. He was a member of Morgantown, West Virginia, Masonic Lodge No. 4.

Dr. Ray was a dedicated and highly respected educator and administrator. He was well known and respected among his peers and served the University in a commendable fashion.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family. This is done in sincere appreciation of the Board's realization of the loss which the family, the University and his many friends and associates have sustained.

Hoyt L. Sherman

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 29, 1981, of Hoyt L. Sherman, Professor Emeritus in the College of the Arts.

Professor Sherman first joined the faculty in 1928 as an Instructor in the School of Art. When he retired in 1974, Professor Sherman had established an international reputation as one of the great researchers and teachers in visual arts.

February 5, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Hoyt L. Sherman (contd)

In collaboration with colleagues in optometry, psychology and education, Professor Sherman developed the Flash Laboratory for the teaching of drawing and the Visual Demonstration Center on this campus. Besides developing innovative teaching programs in art, he also worked with architecture and dentistry students and with the varsity football and basketball teams.

He was the author of three books and several articles on operational theories of art. In his retirement, Professor Sherman continued his active research in color perception and was working on an analytical book of Rembrandt's drawings.

During World War II, he served as a consultant to the U. S. Navy and contributed significant research to the development of the Armed Forces Aircraft Recognition Program. In 1945-46 Professor Sherman received the Howald Scholarship, and in 1962 he was awarded the University Distinguished Teaching Award.

Professor Sherman was born in Lafayette, Alabama, on November 7, 1903. After graduating from high school in Bessemer, Alabama, he enrolled at The Ohio State University College of Engineering in 1921 as an electrical engineering student. After transferring to architecture, he found his true vocation in art. The School of Art awarded him the Bachelor of Fine Arts degree in 1926.

On behalf of the University, the Board of Trustees wishes to express to his family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

Robert James Wherry, Sr.

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 13, 1981, of Robert James Wherry, Sr., Professor Emeritus, Department of Psychology.

Professor Wherry was born in Middletown, Ohio, on May 16, 1904. He earned the Bachelor's degree in 1925, the Master's degree in 1927, and the Ph.D. degree in 1929, all at The Ohio State University. He served on the faculty of Cumberland University from 1929 to 1937 and of the University of North Carolina from 1937 to 1948. He was Professor of Psychology at The Ohio State University from 1948 to 1975. Between 1960 and 1970, he served as Chairman of the Department of Psychology at Ohio State. In 1944, during World War II, he served as Chief of Research in the Office of the Secretary of War.

Professor Wherry was internationally renowned for his invention of a number of statistical methods, his many significant research papers, and his consultation to industry and government. He had been a member of the American Psychological Association, the Psychonomic Society, Sigma Xi honorary society, and was a member of the editorial board of *Personnel Psychology*.

February 5, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Robert James Wherry, Sr. (contd)

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Mohammed Yaqub

The Board of Trustees of The Ohio State University expresses its sorrow upon the death, on December 29, 1981, of Mohammed Yaqub, Professor in the Department of Physics.

Professor Yaqub received his Ph.D. degree from Oxford University in 1957. He held post-doctoral fellowships at London University, Washington University, and MIT before joining the OSU Department of Physics in 1965. He became a Professor of Physics in 1968.

Professor Yaqub carried out research in solid state physics. His interests centered on the electrical properties of metals at very low temperatures. He is the author of more than thirty papers in scientific journals.

On behalf of the University, the Board of Trustees expresses to his family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**ESTABLISHMENT OF "THE ARTHUR E. SHEPARD  
ENDOWED PROFESSORSHIP IN INSURANCE"**

Resolution No. 82-61

*Synopsis: Conversion of "The Arthur E. Shepard Designated Professorship in Insurance" to "The Arthur E. Shepard Endowed Professorship in Insurance" is proposed.*

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Professorships," which was subsequently modified March 3, 1972, and renamed "Endowed Professorships" and was modified further on May 5, 1978; and

WHEREAS gifts to The Ohio State University Development Fund from Arthur E. Shepard, CLU, of Columbus, Ohio, have been received; and

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates; and

February 5, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF "THE ARTHUR E. SHEPARD  
ENDOWED PROFESSORSHIP IN INSURANCE" (contd)**

WHEREAS the annual income is to be used for the endowment of a professorship in the College of Administrative Science for the teaching and promotion of insurance; and

WHEREAS the Board of Trustees in Resolution No. 80-101 established "The Arthur E. Shepard Designated Professorship in Insurance" with the provision that at such time as sufficient funds were made available the faculty position would be converted to an "Endowed Professorship"; and

WHEREAS appropriate funding has been received for the establishment of an Endowed Professorship in Insurance; and

WHEREAS should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for insurance education:

NOW THEREFORE

BE IT RESOLVED, That "The Arthur E. Shepard Endowed Professorship in Insurance" be established in accordance with the wishes of the donor.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ESTABLISHMENT OF DIVISION OF MINING ENGINEERING**

Resolution No. 82-62

*Synopsis: Establishment of Division of Mining Engineering is being proposed.*

WHEREAS the University reactivated its mining engineering program in December 1977; and

WHEREAS the program provided approval to offer instruction leading to the Bachelor of Science in Mining Engineering degree; and

WHEREAS ten bachelor's degrees have been granted to date, and in 1980-81, five faculty taught thirteen mining engineering courses for a total of 522 quarter credit-hours; and

WHEREAS the formation of a Division of Mining Engineering will not require additional funding beyond that already established and projected for the operation of the mining



February 5, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF DIVISION OF MINING ENGINEERING (contd)**

engineering program, and because of an expected improvement in administrative efficiency, it is anticipated that the Division would be able to accomplish more with the same dollar outlay; and

WHEREAS the existing mining engineering program meets the specifications of paragraph (E) of rule 3335-3-34 of the Administrative Code and the procedural requirements of the Council on Academic Affairs for designation as a division; and

WHEREAS the proposal to establish a Division of Mining Engineering has received approval of the College of Engineering and the Council on Academic Affairs:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the foregoing resolution as approved and recommended by the University Senate at its January 9, 1982 meeting.

Upon motion of Mr. Galbreath, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-63

*Synopsis: Addition of new rule 3335-3-172 and amendments to rules 3335-7-14, 3335-7-26, 3335-7-27, and 3335-7-28 of Rules of the University Faculty are presented for adoption.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of new rules and amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in *Rules of the University Faculty* were approved by the University Senate on January 9, 1982, as follows:

**NEW RULE**

3335-3-172 Dean of student life.

- (A) The dean of student life shall have responsibility and authority for the administration of non-academic programs and support services dealing with the general welfare of students.

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-172 Dean of student life. (contd)

- (B) Without limiting the generality of the foregoing, the dean of student life shall, under the direction of the vice president for student services, have the responsibility and authority for administering the office of student life, including budgeting, staffing, and planning for all office of student life functions. The responsibilities of this office include coordination of campus-wide activities, women's services, student judicial programs, the activities office (including student organizations, student government, and student activity auditing), Greek affairs, off-campus student center, cultural and ethnic programming for minority students, and student life research.
- (C) The usual method of communication between the dean of student life and the president or the board of trustees shall be through the vice president for student services. (B/T 2/5/82)

**AMENDED RULES**

3335-7-14 Approval of student schedules.

The deans or secretaries of the several colleges and schools, and of the graduate school, shall approve the quarterly schedule of classes of students in their colleges and schools (or graduate school) but the assignment to hours and all changes in such assignment shall be made by the office of registration, records and scheduling.

3335-7-26 Point-hour ratio.

- (B) When determining the point-hour ratio of a student:
  - (1) For a quarter, the "applicable number of credit hours" shall be the student's scheduled credit hours in that quarter.
  - (2) For the student's work in the university, the "applicable number of credit hours" shall be the total number of credit hours undertaken in the university except as modified by paragraph (A) (2) of rule 3335-7-271 of the Administrative Code.
  - (3) For the student's work in the graduate school or in a professional college or school or professional division of a college, the "applicable number of credit hours" shall be the total number of credit hours undertaken in the graduate school or in the professional college or school or professional division of a college.
  - (4) For the student's work in the major field of interest, the "applicable number of credit hours" shall be the total number of credit hours undertaken in courses approved for the major program.

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY (contd)**

**3335-7-27 Failure in a required course.**

- (A) An undergraduate or professional student who has not been dismissed from the university must repeat in a regularly scheduled class, at the first opportunity, a required course in which a mark of "E" has been received, unless an equivalent course is recommended and approved by the authorized representative of the dean or director of the student's enrollment unit.
- (B) A graduate student who has not been dismissed from the university must repeat in a regularly scheduled class a required course in which a mark of "E" has been received only if this is required by the student's adviser.

**3335-7-28 Repetition of courses.**

- (A) Except as specified by rule 3335-7-27 of the Administrative Code, undergraduate students who have received a mark of "E" or "NP" in a course at this university may repeat the course for credit at their option.
- (B) Undergraduate or professional students, as defined in rule 3335-9-01 of the Administrative Code, who have received a mark of "D+" or "D" in a course at this university may repeat the course for credit only upon the recommendation of the authorized representative of the dean or director of their enrollment unit.
- (C) Undergraduate or professional students, as defined in rule 3335-9-01 of the Administrative Code, who have received a mark of "A," "A-," "B+," "B," "B-," "C+," "C," "C-," or "PA" in a course at this university or elsewhere may repeat the course only as auditors, in accordance with rule 3335-7-29 of the Administrative Code.
- (D) A graduate student, as defined in rule 3335-9-01 of the Administrative Code, may repeat for credit any course when approval is given by the student's adviser.
- (E) A student who has audited a course may subsequently repeat the course for credit only upon receiving permission of the authorized representative of the dean or director of the student's enrollment unit.
- (F) The credit hours for a repeated course shall in no case be counted more than once in meeting graduation requirements. When a student repeats a course, both grades appear on the student's record and both are used in computing the point-hour ratio, except as modified by rule 3335-7-271 of the Administrative Code.

February 5, 1982 meeting, Board of Trustees

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY (contd)**

NOW THEREFORE

BE IT RESOLVED, That the foregoing new rule and amendments to existing *Rules of the University Faculty* be adopted by the Board of Trustees for implementation and incorporation in the Administrative Code.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-64

*Synopsis: Recommendation for promotion of Dean Roy M. Kottman and reappointment of principal administrative official is being proposed.*

BE IT RESOLVED, That the following personnel changes to made:

Promotion

Name:	ROY M. KOTTMAN
Present Position:	Dean, College of Agriculture and Home Economics; Director, Cooperative Extension Service; and Director, Ohio Agricultural Research and Development Center
New Position:	Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources
Effective:	5 February 1982 through 30 June 1982, the date of Dean Kottman's retirement from the University
Salary:	\$59,920.00 (12-month)

Reappointment of Principal Administrative Official

ANDREW J. BROEKEMA, Dean of the College of the Arts, effective February 1, 1982-January 31, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

Upon motion of Mr. Galbreath, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-65

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.*

**RESOLVED**, That the personnel actions as recorded in the Personnel Budget Records of the University since the December 10, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

**Appointments**

Name: PHILIP W. MURDICK  
Title: Associate Dean  
College: College of Veterinary Medicine - Administration  
Salary: \$52,920.00 (12-month)  
Effective: January 1, 1982  
Present Position: Professor and Chairman, Department of Veterinary Clinical Sciences

Name: EDWARD F. DONOVAN  
Title: Professor and Acting Chairman  
Department: Veterinary Clinical Sciences  
Salary: \$49,440.00 (12-month)  
Effective: January 1, 1982  
Present Position: Professor, Department of Veterinary Clinical Sciences

**Medical Staff Appointments**

Effective September 1, 1979

Nancy M. Trhlik, M.D.	Courtesy Staff in Preventive Medicine, Service of Emergency Medicine	Clinical Assistant Professor
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Effective October 1, 1981

Susan Carleton Benes, M.D.	Attending Staff in Ophthalmology	Assistant Professor
Francis S. Wright, M.D.	Attending Staff in Pediatrics	Professor

Effective November 15, 1981

George C. Cummings, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
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February 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Leaves of Absence Without Salary**

HAO CHANG, Professor, Department of History, cancel leave effective January 1, 1982 through March 31, 1982, which was granted September 4, 1981.

LOUISE B. GUTHMAN, Associate Professor, Department of Dance, effective January 5, 1982 through January 26, 1982, to tour with Ballet Met in Taiwan.

DONNA GAIL BERLIN, Assistant Professor, Academic Faculty of Early and Middle Childhood Education (Newark Campus), effective February 22, 1982 through March 28, 1982, for personal reasons.

LAUREL E. FAY, Assistant Professor, School of Music, effective January 1, 1982 through March 31, 1982, to participate in an International Research and Exchanges Board program to do research.

DEBORAH JEAN FITZGERALD, Assistant Professor, Department of Philosophy, effective January 1, 1982 through March 31, 1982, to do professional research in France.

ALLAN SEKULA, Assistant Professor, Department of Photography and Cinema, effective January 1, 1982 through March 31, 1982, to engage in professional research.

JUDY L. FOSTER, Instructor, Cooperative Extension Service, effective January 13, 1982 through January 24, 1982, for personal reasons.

MARY LOU FUHRY, Instructor, Cooperative Extension Service, effective December 21, 1981 through January 10, 1982, for personal reasons.

**Professional Improvement Leaves**

JAMES C. GARLAND, Professor, Department of Physics, change from Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982 to Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ROBERT H. MILLER, Professor, Department of Agronomy, cancel leave granted for Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JOHN QUIGLEY, Professor, College of Law, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

**Emeritus Titles**

WALLACE BARR, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective January 1, 1982.

February 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Emeritus Titles (contd)**

R. EMERSON LYNN, JR., Department of Chemical Engineering, with the title Professor Emeritus, effective January 1, 1982.

JAMES W. MARQUAND, Cooperative Extension Service, with the title Professor Emeritus, effective February 1, 1982.

JOHN B. MITCHELL, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective January 1, 1982.

PERRY E. BORCHERS, Department of Architecture, with the title Professor Emeritus, effective July 1, 1981.

JOHN W. SHARP, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective January 1, 1982.

RICHARD W. STOW, Department of Physical Medicine, with the title Professor Emeritus, effective February 1, 1982.

WILLIAM W. DAVIS, Department of Preventive Medicine, with the title Clinical Assistant Professor Emeritus, effective January 1, 1982.

HELEN STORER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective January 1, 1982.

FRANKLIN D. GEORGE, Cooperative Extension Service, with the title Instructor Emeritus, effective February 1, 1982.

Upon motion of Mr. Immke, seconded by Mr. Berry, the foregoing resolution was adopted by the Board of Trustees by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-66

*Synopsis: The reports on contracts, grants, and gifts and the summaries for November and December are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the months of November and December 1981, be approved.

Upon motion of Mr. Berry, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR NOVEMBER 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	50	\$2,164,749.90
Engineering Experiment Station	51	101,881.00
		\$2,266,630.90

The Ohio State University Development Fund

Report from Presidents Club

Members to date	4,522
1981 members: year to date	138
New members - November 1981	8

New Presidents Club Members - November 1981

Bryan F. Hartley	Jeffrey D. Nye
William D. Johnston	Chester S. Shira
Robert G. Kennedy	John A. Thoms
Ibrahim A. Orkoubi	Dale D. Walther



February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR DECEMBER 1981**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	48	\$2,492,592.00
Engineering Experiment Station	47	196,690.00
		\$2,689,282.00
The Ohio State University Development Fund		
Establishment of Named Funds		
Dr. Howard Dexter Brown Scholarship Fund (Department of Horticulture - Field of Food Technology)		\$ 209,000.00
The W. Arthur Cullman Symposium Fund (College of Administrative Science)		\$ 50,000.00
The Irving Abramowitz Memorial Professorship Fund (College of Administrative Science)		\$ 27,235.80
The Jimmie L. Huitt, Jr., Fund (College of Administrative Science)		\$ 15,875.00
Robert E. Oscar Professorship in International Business Fund (College of Administrative Science)		\$ 8,645.00
The J. Norman Staiger/OSU Men's Glee Memorial Scholarship (School of Music)		\$ 7,451.00
Roy E. and Zelma L. Roeder Memorial Fund (Lima Campus)		\$ 6,006.00

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR DECEMBER 1981 (contd)**

**The Ohio State University Development Fund (contd)**

**Establishment of Named Funds (contd)**

The Elizabeth Kiss Amstutz Scholarship Fund (College of Humanities)	\$ 5,000.00
The Gordon M. Amstutz Scholarship Fund (College of Engineering)	\$ 5,000.00
The Loudenslager Scholarship Fund (College of Agriculture and Home Economics - Marion Campus)	\$ 5,000.00
Renal Research and Development Fund (Division of Renal Diseases)	\$ 5,000.00
The Katrina Louise Winzenried Memorial Scholarship Fund (Undergraduate students - Hardin County)	\$ 5,000.00

**Change in Name and Description of Named Fund**

From: William H. Davis Scholarship Fund  
for Basic Medical Research

To: William H. Davis Endowment for  
Basic Medical Research

**Report from Presidents Club**

Members to date	4,532
1981 members: year to date	152
New members - December 1981	14

**New Presidents Club Members - December 1981**

Clinton R. Beckett	W. Richard Lipold
Martin A. Coyle	Jack C. McKinley
Pamela Parker Gartin	Lloyd M. Parks
Anthony J. Gelpi	Marie E. Sinsabaugh (Mrs. Charles F.)
Robert E. Haines	Whitney B. Stout
Jack W. Hickey	Patrick S. Vaccaro
Barry J. Levey	Howard F. Webb, Jr.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SECOND QUARTER SUMMARY**

October 1, 1981 through December 31, 1981

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	8	\$ 315,610.00
National Science Foundation	16	890,707.00
Department of Defense	39	2,911,503.00
Department of Energy	2	11,100.00
Department of Education	6	385,977.00
Department of Health and Human Services	20	1,341,548.00
Other Federal	15	688,185.90
TOTAL - FEDERAL	106	\$6,544,630.90
STATE OF OHIO	12	\$ 253,540.00
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	57	\$1,982,816.00
GRAND TOTAL	175	\$8,780,986.90

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
INDUSTRIAL AND OTHER	131	\$ 408,894.00

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION  
(Report - November 1981)**

**Federal Research Contracts/Grants**

**\$134,000.00** - Department of the Navy, Office of Naval Research, Arlington, Virginia, "Resonant Structure NCTR" (Non-Cooperative Target Recognition), Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 October 1981 through 15 January 1982. (Project 762920 - New)

**\$133,578.00** - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, OSU/Microde Development for CIG, Department of Art Education (C. A. Csuri) and Department of Computer and Information Science (F. C. Crow), 30 June 1982 through 28 June 1983. (Project 762746 - Continuation)

**\$116,740.00** - Department of the Navy, Office of Naval Research, Arlington, Virginia, Increasing Productivity Through Social Structure, Department of Psychology (B. Latane), 1 October 1981 through 30 September 1982. (Project 762439 - Continuation)

**\$98,159.00** - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells, *in Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 October 1981 through 30 June 1982. (Project 762178 - Continuation)

**\$89,995.00** - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Effects of Atmospheric Water Vapor on Infrared Propagation, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Long), 1 December 1981 through 30 November 1982. (Project 762674 - Continuation)

**\$87,009.00** - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *in Vitro*, College of Pharmacy (D. Witiak), 1 October 1981 through 30 June 1982. (Project 762177 - Continuation)

**\$69,943.00** - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. Blakeslee), 1 October 1981 through 30 June 1982. (Project 762179 - Continuation)

**\$64,985.00** - Department of the Navy, Naval Air Systems Command, Washington, D. C., Research on Near Field Pattern Effects, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 October 1981 through 30 September 1982. (Project 762922 - Continuation)

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$63,314.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 October 1981 through 30 June 1982. (Project 761657 - Continuation)

\$60,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Supercritical Airfoil Wind Tunnel Flutter Research, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 1 October 1981 through 30 September 1982. (Project 762832 - Continuation)

\$52,497.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Microstrip Analysis Techniques, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 1 November 1981 through 31 October 1982. (Project 762478 - Continuation)

\$50,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Kinetic-Elastic Approach for Time-Dependent Rheological Data, Department of Chemical Engineering (R. S. Brodkey), 1 October 1981 through 24 March 1982. (Project 762084 - Continuation)

\$50,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Coherent Electromagnetic Wave Propagation and Scattering in Random Media, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 16 November 1981 through 15 November 1982. (Project 762930 - New)

\$45,466.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 1 October 1981 through 30 September 1982. (Project 761663 - Continuation)

\$42,991.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on the Kinetics of Phase Changes on Solids, Department of Metallurgical Engineering (J. P. Hirth), 15 December 1981 through 14 December 1982. (Project 760222 - Continuation)

\$40,319.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, A Study of the Buckling, Postbuckling Behavior and Vibrations of Laminated Composite Panels, Department of Engineering Mechanics (A. W. Leissa), 1 October 1981 through 30 September 1982. (Project 762513 - Continuation)

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$33,392.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Research Related to Inertial Surveying Systems, Department of Geodetic Science and Surveying (I. I. Mueller), 1 October 1981 through 30 September 1982. (Project 761793 - Continuation)

\$31,409.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Data Processing of Radar Measurements, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski, E. K. Walton, and R. Caldecott), 1 May 1981 through 1 January 1982. (Project 762649 - Continuation)

\$30,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Changes in the Organ of Hearing Produced by Sound, Department of Otolaryngology (D. J. Lim and W. Melnick), 1 October 1981 through 30 September 1982. (Project 762072 - Continuation)

\$26,500.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter, R. J. Marhefka, and R. C. Rudduck), 13 August 1981 through 31 July 1982. (Project 761784 - Continuation)

\$23,992.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Improved Modeling with Injury Prediction Capability of Human Shoulder Complex, Department of Engineering Mechanics (A. Engin), 1 October 1981 through 15 May 1982. (Project 762205 - Continuation)

\$18,750.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Conduct Exploratory Development on Millimeter Wave (MMW) Systems Using the Target Systems Characterization Facility (TSCF), Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 October 1981 through 31 March 1982. (Project 762615 - Continuation)

\$11,859.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, A Summary and Integration of Research Concerning Single Pilot IFR Operational Problems, Department of Aviation (G. S. Weislogel), 1 January 1982 through 31 August 1982. (Project 762941 - New)

\$10,265.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., On the Feasibility of Extending the T-Matrix Approach to Study Scattering of Acoustic Waves by Finite Cylindrical Shells at Higher Frequencies, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 September 1981 through 31 January 1982. (Project 762839 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$9,793.90 - Agency for International Development, American Embassy, Honduras Mission, Tegucigalpa, Honduras, An Evaluation of Women's Access to Credit in the Rural Honduran Economy, Department of Agricultural Economics and Rural Sociology (D. H. Graham and D. H. Boyne), 1 September 1981 through 20 December 1981. (Project 762927 - New)

\$8,750.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 1 December 1981 through 30 November 1982. (Project 761955 - Continuation)

\$8,320.00 - National Endowment for the Humanities, Washington, D. C., Ohio Boeotia Expedition, Department of History (T. E. Gregory), 1 April 1980 through 31 October 1981. (Project 762851 - New)

\$5,100.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1981 through 30 November 1982. (Project 760022 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,417,126.90**

**State of Ohio Research Contracts/Grants**

\$10,828.00 - State of Ohio, Department of Education, Columbus, Ohio, Summer Food Service Program, Office of Minority Affairs (R. T. McDonald), 28 June 1981 through 8 August 1981. (Project 762792 - New)

\$8,000.00 - State of Ohio, Department of Natural Resources, Division of Soil and Water Districts, Columbus, Ohio, Lake Erie Basin - Accelerated Conservation Tillage Project, Cooperative Extension Service - Field Operations (T. L. Jones), 1 October 1981 through 30 November 1982. (Project 762943 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 18,828.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$258,988.00 - The Procter & Gamble Company, Cincinnati, Ohio, Clinical Investigation of a Non-Perfumed Pantiliner and a Perfumed Pantiliner, Department of Obstetrics and Gynecology (R. C. Bump and F. P. Zuspan), 1 November 1981 through 31 October 1982. (Project 762931 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$150,000.00 - University of California - Davis, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Producers, International Programs in Agriculture (H. D. Bauman) and Department of Agronomy (R. W. VanKeuren), 1 October 1981 through 30 September 1982. (Project 761949 - Continuation)

\$120,661.00 - Electric Power Research Institute, Palo Alto, California, Mechanism of Intergranular Corrosion of Inconel 600 Tubing in PWR Steam Generators, Department of Metallurgical Engineering (D. D. Macdonald), 29 October 1981 through 31 December 1982. (Project 762932 - New)

\$42,000.00 - Diamond Shamrock Corporation, Painesville, Ohio, The Metallurgy and Electrochemistry of the Aluminum Anode, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 31 December 1982. (Project 762942 - New)

\$25,298.00 - Battelle Memorial Institute Foundation, Columbus, Ohio, Assessment of Degraded Piping by the Tearing Instability Fracture Mechanics Method, Department of Engineering Mechanics (C. Popelar), 1 October 1981 through 1 September 1982. (Project 762929 - New)

\$20,000.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination, Institute for Research in Vision (H. R. Blackwell), 1 July 1981 through 30 June 1982. (Project 760716 - Continuation)

\$16,932.00 - Philip Morris Research Center, Richmond, Virginia, Effects of Nicotine on Learning and Memory, Department of Psychology (G. G. Berntson), 1 September 1981 through 31 August 1982. (Project 760715 - Continuation)

\$13,371.00 - Boehringer, Ingelheim, Ltd., Ridgefield, Connecticut, Analysis of Dipyridamole in Plasma, Department of Veterinary Clinical Sciences (R. Sams), 1 November 1981 through 15 January 1982. (Project 762928 - New)

\$12,500.00 - Boeing Aerospace Company, Seattle, Washington, MX Physical Security System, Department of Electrical Engineering, ElectroScience Laboratory (J. Young, D. Moffatt, and J. Richmond), 1 October 1981 through 31 December 1981. (Project 762606 - Continuation)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Platelet Factors in Lymphocyte Function, Department of Medical Microbiology and Immunology (C. Prakash) and Department of Pharmacology (G. A. Teiwani), 1 November 1981 through 30 October 1982. (Project 762934 - New)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$11,587.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 20 November 1981 through 31 December 1981. (Project 760982 - Continuation)

\$11,533.00 - Battelle Memorial Institute, Columbus, Ohio, Alumina Tooth Implantation in Human Subjects, College of Dentistry - Crown and Bridge (R. H. Downes) 16 October 1981 through 15 October 1982. (Project 762936 - Continuation)

\$9,370.00 - Muscular Dystrophy Association, New York, New York, Carrier Detection Studies in Duchenne Muscular Dystrophy Families Participating in MDA Drug Protocol, Department of Medicine (J. R. Mendell), 20 October 1981 through 31 December 1982. (Project 762494 - Continuation)

\$7,568.00 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, Clinical Evaluation of Cinromide Inad 2230, Department of Veterinary Clinical Sciences (W. R. Fenner), 15 November 1981 through 14 November 1982. (Project 762937 - New)

\$6,775.00 - The Prudential Insurance Company of America, Newark, New Jersey, Behavior Modelling Training Films, Department of Psychology (M. D. Hakel), 1 November 1981 through 31 December 1981. (Project 762933 - New)

\$4,000.00 - Caldwell Community College and Technical Institute, Hudson, North Carolina and Linn-Benton Community College, Albany, Oregon, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$3,950.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Equipment Request for Industrial and Systems Engineering Computer and Control Laboratory, Department of Industrial and Systems Engineering (R. S. Ahluwalia), 9 November 1981 through 8 November 1982. (Project 762940 - New)

\$1,000.00 - Cessna Aircraft Company, Pawnee Division, Wichita, Kansas, General Aviation/Airfoil Design and Analysis Service - Airfoil Modification Study, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 3 November 1981 through 31 December 1981. (Project 762547 - Continuation)

\$1,000.00 - Dumbarton Oaks, Washington, D. C., Ohio Boeotia Expedition, Department of History (T. E. Gregory), 1 April 1980 through 31 October 1981. (Project 762938 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$262.00 - La Secretaria del Trabajo y Prevision Social de los Estados Unidos Mexicanos through Unidad Coordinadora del Empleo Capacitacion y Adiestramiento (UCECA), Mexico City, D. F., Republic of Mexico, UCECA Planning Project, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 15 December 1981. (Project 762919 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 728,795.00**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$101,881.00 - various sponsors for 51 development projects under the direction of five engineering college departments and research areas.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$185,657.35 - Estate Under the Will of Dr. Fred A. Hitchcock, Columbus, Ohio, for Fred A. Hitchcock Professorship in Environmental Physiology Fund.

\$38,200.00 - The Leo Yassenoff Foundation, Columbus, Ohio--\$25,000.00 for The Leo Yassenoff Chair of Jewish Philosophy; \$1,000.00 for Journalism Director's Special Fund; \$1,000.00 for College of Administrative Science Fund; \$1,000.00 for Dean's Discretionary Fund for Biological Sciences; \$1,000.00 for Humanities Support Fund; \$1,000.00 for Social and Behavioral Sciences Support Fund; \$1,000.00 for College of the Arts Support Fund; \$1,000.00 for Arts and Sciences Vice Provost Discretionary Fund; \$1,000.00 for College of Agriculture and Home Economics Dean's Discretionary Fund; \$1,000.00 for College of Mathematical and Physical Sciences Dean's Emergency Fund; \$1,000.00 for Pharmacy Fund; \$1,000.00 for College of Social Work Emergency Fund; \$1,000.00 for College of Engineering Special Fund; \$500.00 for College of Law Student Financial Aid Fund; \$500.00 for College of Law Advancement Fund; and \$200.00 for Yassenoff Polar Studies Fund.

\$37,500.00 - Shell Companies Foundation, Inc., Houston, Texas--\$7,500.00 for Shell Companies Foundation Fund for Chemical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Metallurgical Engineering; \$7,500.00 for Shell Graduate Aid for Computer and Information Science in Engineering; \$7,500.00 for Shell Companies Foundation Fund for Electrical Engineering; and \$7,500.00 for Shell Companies Foundation Fund for Chemistry.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

\$24,000.00 - Mr. and Mrs. Howard E. LeFevre, Newark, Ohio (3,000 shares of Capitol Corporation stock), for Howard E. and Catharine Bonner LeFevre Fund.

\$20,000.00 - Mansfield University Foundation, Mansfield, Ohio, for Mansfield Campus Scholarship Fund.

\$15,400.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$15,000.00 - Needham, Harper & Steers, New York, New York, for WOSU Support Fund.

\$15,000.00 - SCOA Foundation, Inc., Columbus, Ohio, for Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law Fund.

\$14,770.00 - General Motors Corporation, Warren, Ohio, for General Motors Corporation Scholarship Fund.

\$13,943.33 - Wyeth Labs, Philadelphia, Pennsylvania--\$8,250.00 for Cancer Research Center Fund and \$5,693.33 for Menopausal Patient Follow-up Project.

\$12,660.00 - Amoco Foundation, Inc., Chicago, Illinois, for Amoco Foundation, Inc., Fellowship in Chemistry.

\$11,808.22 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,000.00 - Exxon Education Foundation, New York, New York, for Exxon Fellowship in Metallurgical Engineering.

\$10,000.00 - Brad Marks Productions, Inc., Los Angeles, California, for Cheerleaders Scholarship Fund.

\$9,200.00 - Eastman Kodak Company, Rochester, New York--\$2,000.00 for Eastman Kodak Scholarship in Industrial Engineering; \$1,500.00 for Eastman Kodak Scholarship in Chemical Engineering; \$1,500.00 for Eastman Kodak Scholarship in Electrical Engineering; \$1,500.00 for Eastman Kodak Scholarship in Mechanical Engineering; \$900.00 for ISE Advancement Fund; \$600.00 for I. G. Brenner Fund for Engineering; \$600.00 for Department of Chemical Engineering Support Fund; and \$600.00 for Electrical Engineering Chairman's Discretionary Fund.

\$8,864.90 - Griffith Foundation for Insurance Education, Columbus, Ohio, for Charles W. Griffith Memorial Fund.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$8,790.96 - Reproductive Research and Education Association, Columbus, Ohio (given in the names of George Johnson, M.D., Richard Bump, M.D., Belinda Bryan, Chad Friedman, M.D., Mary L. Summer, A. Huneke, M.D., John Michael Williams, Yong Pak, M.D., and William Rigsby, M.D.), for EPR-OBS Fund.

\$8,334.00 - H. J. Heinz Company Foundation, Pittsburgh, Pennsylvania, for Endowed Professorship in Plant Protection.

\$8,000.00 - Phillips Petroleum Foundation, Inc., Bartlesville, Oklahoma, for Phillips Petroleum Company Fellowship Fund.

\$8,000.00 - The Standard Oil Company, Cleveland, Ohio, for Sohio Fellowship in Chemistry.

\$6,255.45 - Lyman J. Strong, Lima, Ohio, undesignated.

\$6,000.00 - The American Society for Nondestructive Testing, Inc., Columbus, Ohio, for The American Society for Nondestructive Testing Fellowship Fund.

\$6,000.00 - Cravat Coal Company, Cadiz, Ohio, for Ohio 4-H Foundation Support Fund.

\$5,000.00 - Alcoa Foundation, Pittsburgh, Pennsylvania, for Advanced Design Methods Laboratory--Mechanical Engineering.

\$5,000.00 - Gannett Newspaper Foundation, Rochester, New York, for Journalism Director's Special Fund.

\$5,000.00 - Petersen Manufacturing Company, Inc., DeWitt, Nebraska, for Robert E. Oscar Professorship in International Business.

\$5,000.00 - Estate Under the Will of Carl W. Rodewig, Wheeling, West Virginia, for College of Pharmacy Advancement Fund.

Gift-in-Kind

\$12,500.00 - Paul Fekula, Elmhurst, New York, a 1488 Bohemian Bible.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

**\$225,984.00** - Department of the Navy, Office of Naval Research, Arlington, Virginia, "Resonant Structure NCTR" (Non-Cooperative Target Recognition), Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 15 January 1982 through 30 September 1982. (Project 762920 - Continuation)

**\$190,117.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Medicine (W. B. Malarkey), 1 December 1981 through 30 November 1982. (Project 761196 - Continuation)

**\$176,000.00** - Department of the Air Force, Rome Air Development Center (AFSC), Griffiss Air Force Base, New York, Advanced SATCOM ECCM Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 4 February 1982 through 30 September 1982. (Project 762948 - Continuation)

**\$174,660.00** - Department of Education, National Institute of Education, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 December 1981 through 31 January 1982. (Project 762530 - Continuation)

**\$140,000.00** - Department of the Air Force, Electronics System Division, Air Force Systems Command (AFSC), Hanscom Air Force Base, Massachusetts, Theoretical Studies on Determinations, Predictions, and Accuracies of Geodetic Parameters and Gravimetric Quantities, Department of Geodetic Science and Surveying (U. A. Uotila), 10 November 1981 through 9 November 1984. (Project 762947 - Continuation)

**\$100,712.00** - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Rockville, Maryland, A Study to Develop an Experimental Disease Model in Horses, Department of Veterinary Physiology and Pharmacology (T. E. Powers), 29 September 1981 through 27 September 1982. (Project 761916 - Continuation)

**\$92,456.00** - National Endowment for the Humanities, Washington, D. C., Project for the Development of Individualized Instruction Materials for Elementary Chinese, Department of East Asian Languages and Literatures (T. Light and G. Walker), 1 January 1982 through 31 December 1982. (Project 762955 - New)

**\$86,428.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Comparative Studies in Perinatal Toxicology, Department of Veterinary Physiology and Pharmacology (R. A. Yeary), 1 December 1981 through 30 November 1982. (Project 762962 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$80,816.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathogenesis of Experimental Atherosclerosis, Department of Physiological Chemistry (D. G. Cornwell), 1 December 1981 through 30 November 1982. (Project 762525 - Continuation)

\$80,000.00 - Department of the Air Force, Electronic Systems Division, Air Force Systems Command (AFSC), Hanscom Air Force Base, Massachusetts, The Study of Gravity Field Estimation Procedures, Department of Geodetic Science and Surveying (R. H. Rapp), 10 December 1981 through 30 November 1984. (Project 762959 - Continuation)

\$75,503.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Antivascular Endothelial Antibody in Transplantation, Department of Surgery (J. Cerilli), 1 December 1981 through 30 November 1982. (Project 763857 - Continuation)

\$64,978.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 December 1981 through 31 March 1982. (Project 762612 - Continuation)

\$62,550.00 - National Science Foundation, Washington, D. C., Purchase of a Gas Chromatograph/Mass Spectrometer, Department of Chemistry (A. A. Wojcicki), 15 December 1981 through 31 December 1982. (Project 762954 - New)

\$61,695.00 - National Science Foundation, Washington, D. C., Single-Atom Peri-Bridged Arenes and Hetarenes: Carbenic Processes, Department of Chemistry (H. Schechter), 1 December 1981 through 30 November 1982. (Project 762529 - Continuation)

\$59,000.00 - National Science Foundation, Washington, D. C., Chemistry and Spectroscopy of High Energy Intermediates, Department of Chemistry (M. S. Platz), 1 December 1981 through 30 November 1982. (Project 761654 - Continuation)

\$57,967.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Subunit Studies of a Heart Respiratory Complex, Department of Physiological Chemistry (J. S. Rieske), 1 December 1981 through 30 November 1982. (Project 762285 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$40,689.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Control of Synaptogenesis in Cultures of the CNS, Department of Anatomy (R. W. Burry), 1 December 1981 through 30 November 1982. (Project 761963 - Continuation)

\$38,043.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Enzyme Aging and Gene Expression in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 December 1981 through 30 November 1982. (Project 762514 - Continuation)

\$33,771.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acanthamoeba Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1981 through 30 November 1982. (Project 762493 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effects of Ice Formation on 2-D Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 5 December 1981 through 5 June 1982. (Project 762009 - Continuation)

\$27,274.00 - Department of the Air Force, Electronic Systems Division, Air Force Systems Command (AFSC), Hanscom Air Force Base, Massachusetts, RCS Studies of Jet Intakes, Department of Electrical Engineering, ElectroScience Laboratory (P. Pathak), 1 October 1981 through 1 March 1982. (Project 762016 - Continuation)

\$26,882.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation, Department of Mechanical Engineering (D. A. Guenther), 1 January 1982 through 2 July 1982. (Project 762963 - Continuation)

\$26,599.00 - National Science Foundation, Washington, D. C., Comparative Cytology of Selected Chlorophyta, Department of Botany (G. L. Floyd), 1 January 1982 through 31 December 1982. (Project 761939 - Continuation)

\$20,500.00 - National Science Foundation, Washington, D. C., Verification of Constitutive Relations for Silage Through Full-Scale Silo Measurements, Department of Civil Engineering (A. G. Bishara), 1 December 1981 through 30 June 1983. (Project 761960 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$18,891.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 1 January 1982 through 22 June 1982. (Project 762718 - Continuation)

\$8,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. Gregorek) and Department of Aviation (G. S. Weislogel), 1 November 1981 through 6 February 1982. (Project 762359 - Continuation)

\$6,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Development and Optimization of Methodologies for Analysis of Complex Hydrocarbon Mixtures, Department of Chemistry (R. J. Laub), 1 January 1982 through 31 December 1982. (Project 761982 - Continuation)

\$5,950.00 - National Science Foundation, Washington, D. C., Deducing Glacial and Climatic Changes from the Byrd Station, Antarctica, Ice Core, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), 1 April 1982 through 31 March 1984. (Project 762964 - New)

\$5,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Experimental Investigation of Flow Fields of Rotors in Hover with Modified Tips, Department of Mechanical Engineering (H. R. Velkoff), 1 October 1981 through 1 March 1982. (Project 760964 - Continuation)

\$4,514.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 3 December 1981 through 30 September 1982. (Project 761663 - Continuation)

\$1,000.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Pedestrian Impact Modeling, Department of Mechanical Engineering (D. A. Guenther), 1 January 1982 through 31 March 1982. (Project 762430 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$2,021,979.00**

**State of Ohio Research Contracts/Grants**

\$49,986.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities Planning Council, Columbus, Ohio, Deinstitutionalization Task Force, Nisonger Center for Mental Retardation (H. Leland), 1 February 1981 through 30 June 1982. (Project 762593 - Continuation)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$43,183.00 - State of Ohio, The Ohio Youth Commission, Columbus, Ohio, Intern Training for Teaching Academic and Social Skills to Special Education Students, Academic Faculty for Exceptional Children (D. S. Hill), 1 October 1981 through 30 June 1982. (Project 762952 - Continuation)

\$19,265.00 - State of Ohio, The Ohio Youth Commission, Columbus, Ohio, Ohio Youth Commission Visual Response System Project, Academic Faculty for Exceptional Children (W. L. Heward), 1 October 1981 through 30 June 1982. (Project 762951 - Continuation)

\$2,868.00 - State of Ohio, Department of Education, Vocational and Career Education and School Food Service, Columbus, Ohio, Provision of Technical Assistance to the Ohio Occupational Information Coordinating Committee, Academic Faculty of Labor and Human Resources (S. C. Kelley), 1 December 1981 through 30 June 1982. (Project 762781 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 115,302.00

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$157,426.00 - American Cancer Society, Inc., New York, New York, Immunoradiotherapy Using Boronated Monoclonal Antibody, Department of Pathology (R. F. Barth), College of Pharmacy (A. H. Soloway), and Department of Mechanical Engineering (W. E. Carey), 1 January 1982 through 31 December 1983. (Project 762960 - New)

\$34,876.00 - Technicon Instruments Corporation, Tarrytown, New York, Studies on Reference Electrodes for Sensor Devices, Department of Chemistry (T. Kuzawa), 1 January 1982 through 31 December 1982. (Project 762957 - New)

\$31,738.00 - Henkel Corporation, Minneapolis, Minnesota, Phytosterol Stabilized Emulsions, College of Pharmacy (S. G. Frank), 1 December 1981 through 30 December 1982. (Project 762946 - New)

\$31,283.00 - Henkel Corporation, Minneapolis, Minnesota, Phytosterol Stabilized Emulsions, College of Pharmacy (S. G. Frank), 1 December 1981 through 30 November 1983. (Project 762946 - Continuation)

\$20,909.00 - A. H. Robins Company, Richmond, Virginia, Effect on Metoclopramide for the Treatment of Gastric Dilatation-Torsion Complex in Dogs, Department of Veterinary Clinical Sciences (M. L. Helphrey and W. A. Rogers), 1 February 1982 through 31 January 1984. (Project 762961 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$20,500.00 - World Health Organization, Geneva, Switzerland, Identification, Analysis and Implementation of a Network for the Biological Control of Vectors, Department of Entomology (J. D. Briggs), 1 January 1982 through 31 December 1982. (Project 760988 - Continuation)

\$20,356.00 - American Cyanamid Company, Princeton, New Jersey, The Effects of Levamisole Phosphate on the Bovine Respiratory Disease Complex, Department of Veterinary Preventive Medicine (N. R. Hartwig), 1 December 1981 through 28 February 1982. (Project 762953 - New)

\$20,000.00 - City of Columbus, Division of Fire, Columbus, Ohio, City of Columbus Fire Project, College of Administrative Science - Continuing Education (J. J. Stanley), 1 October 1981 through 31 December 1981. (Project 762950 - Continuation)

\$10,478.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement - The Ohio State University Research Foundation and The Southeastern Ohio Technical Education Consortium, Cooperative Extension Service - Field Operations (C. J. Cunningham), 14 September 1981 through 31 December 1981. (Project 762956 - New)

\$2,245.00 - State Research Associates, Lexington, Kentucky, Technical Assistance, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 31 December 1981. (Project 768036 - New)

\$2,000.00 - Greater Columbus Arts Council, Columbus, Ohio, Public Film/Video Exhibition in Columbus 1981/1982, Department of Photography and Cinema (J. R. Green), 1 December 1981 through 30 November 1982. (Project 762958 - New)

\$2,000.00 - Western Nevada Community College, Carson City, Nevada, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$1,500.00 - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1981 through 31 December 1982. (Project 762165 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 355,311.00**

February 5, 1982 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$196,690.00 - Forty sponsors for 47 development projects under the direction of six departments and four research areas.

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

#### Dr. Howard Dexter Brown Scholarship Fund

The Dr. Howard Dexter Brown Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the Estate of Elsie Beulah Brown, Worthington, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a scholarship(s) to assist a student(s) in the field of food technology in the Department of Horticulture of the College of Agriculture and Home Economics. The designation of the recipient(s) is to be based on the recommendation of the Dean of the College of Agriculture and Home Economics in cooperation with the appropriate academic unit. The Dean shall also approve expenditures of this scholarship fund. In the event that the scholarship is unused, the annual income shall be added to the principal of the scholarship fund.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official who is then responsible for food technology education at the University.

#### The W. Arthur Cullman Symposium Fund

The W. Arthur Cullman Symposium Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends of Dr. W. Arthur Cullman in honor of his outstanding teaching and research as a member of the marketing faculty for 35 years.

Gifts to this fund are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The W. Arthur Cullman Symposium Fund (contd)**

The annual income is to be used by the College of Administrative Science to support expenses of periodic symposia which will attract nationally prominent scholars and practitioners in the field of business policy and strategy.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any other purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Administrative Science.

**The Irving Abramowitz Memorial Professorship Fund**

The Irving Abramowitz Memorial Professorship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of Irving Abramowitz of San Rafael, California.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the work of a distinguished teacher, researcher and scholar in business policy and ethics in the business policy faculty area of the College of Administrative Science. Appointment to the Abramowitz Professorship will be recommended by the Dean of the College of Administrative Science to the President and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for management education.

It is the intention of the donors of the fund to establish either a chair when the fund reaches \$750,000 or a professorship when the fund reaches \$250,000. All income and future gifts from the fund shall be added to principal until the determination is made by members of the Abramowitz family.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Jimmie L. Huitt, Jr., Fund**

The Jimmie L. Huitt, Jr., Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Jimmie L. Huitt, Jr., '72.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the principal is to be used to support scholarship and honors among the students in the College of Administrative Science at the discretion of the Dean of the College of Administrative Science.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then responsible for curricula in administrative science.

**Robert E. Oscar Professorship in International Business Fund**

The Robert E. Oscar Professorship in International Business Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Robert E. Oscar, B.S.Bus. Adm. '38, of Chicago, Illinois.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from this endowment is to be added to the principal until this amount, along with additional gifts and bequests, is sufficient to establish the professorship. At the time when the professorship is fully funded, the annual income is to be used to provide salary and program support for the work of a distinguished scholar and teacher in international business. Appointment to the Oscar Professorship will be recommended by the Dean of the College of Administrative Science to the President and approved by the Board of Trustees.

In the event that sufficient funds are not available to establish the professorship, the amount accumulated is to be used for the purpose of establishing the Robert E. Oscar Scholarship in International Business. The annual income is to be used for students who are majoring in international business and who have demonstrated academic ability and need for financial

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Robert E. Oscar Professorship in International Business Fund (contd)**

assistance. The selection of the recipient is to be made upon the recommendation of the University Scholarship Committee in cooperation with the Dean of the College of Administrative Science.

Should the need for this professorship (or scholarship) cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for international business education.

**The J. Norman Staiger/OSU Men's Glee Club Memorial Scholarship**

The J. Norman Staiger/OSU Men's Glee Club Memorial Scholarship was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and members of the OSU Men's Glee Club in memory of J. Norman Staiger, M.A. '58, Professor Emeritus of voice and Director of the club for more than a quarter of a century.

These gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded to one or more talented undergraduate students who have successfully completed at least one year as members of the Men's Glee Club. Recipients will be determined by the established procedures within the School of Music, with final approval by the Director of the Men's Glee Club and the Director of the School of Music.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to (1) vocal students and/or (2) music majors recommended by the appropriate administrative official of the University responsible for music education.

**Roy E. and Zelma L. Roeder Memorial Fund**

The Roy E. and Zelma L. Roeder Memorial Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mr. Eugene M. and Mrs. Marjorie L. (Roeder) White. The fund honors the memory of Roy E. and Zelma L. Roeder, parents of Mrs. White.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Roy E. and Zelma L. Roeder Memorial Fund (contd)**

The original gifts and all subsequent gifts to this fund are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used in support of programs in business and/or music at The Ohio State University at Lima. A portion of the income will be awarded annually as the "Roy and Zelma Roeder Award" to the outstanding student(s) in music and business. Recipient(s) of the award will be selected by the dean and director or his designee. The remainder of the income will be used to benefit the music and/or business programs on the Lima Campus. All expenditures must be approved by the dean and director in consultation with the vice president for regional campuses.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the vice president for regional campuses in consultation with the administrators of the Lima Campus.

**The Elizabeth Kiss Amstutz Scholarship Fund**

The Elizabeth Kiss Amstutz Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Daniel G. Amstutz, B.S.Bus.Adm. '54.

All gifts are to be invested in the University's Permanent Endowment, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarships for one or more talented undergraduate or graduate students in the College of Humanities. Recipients will be determined by the established procedures within the college with final approval by the dean, who will also approve requisitions for payment.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for curricula in the College of Humanities.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Gordon M. Amstutz Scholarship Fund**

The Gordon M. Amstutz Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Daniel G. Amstutz, B.S.Bus.Adm. '54.

All gifts are to be invested in the University's Permanent Endowment, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarships for one or more students in the College of Engineering. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids with recommendations from the dean of the College of Engineering.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for curricula in the College of Engineering.

**The Loudenslager Scholarship Fund**

The Loudenslager Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mr. and Mrs. Forest D. Loudenslager, Marion, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest or reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships awarded annually to deserving students of merit who are entering The Ohio State University at Marion, Ohio, and who express an interest in pursuing study leading to a degree awarded by the College of Agriculture and Home Economics. The selection of the recipient is to be made upon the recommendation of The Ohio State University Marion Campus Scholarship Committee in consultation with the Vice President for Regional Campuses and Dean of University College. Consideration shall be limited to students who are residents of Marion or Wyandot or Crawford or Morrow or Delaware or Union or Hardin County, Ohio.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official who is then responsible for agricultural scholarships.



February 5, 1982 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **Renal Research and Development Fund**

The Renal Research and Development Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni and friends of the Division of Renal Diseases, Department of Medicine.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support and advance the Division of Renal Diseases and research within the Division of Renal Diseases.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the Division of Renal Diseases.

##### **The Katrina Louise Winzenried Memorial Scholarship Fund**

The Katrina Louise Winzenried Memorial Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of Katrina Louise Winzenried.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students at The Ohio State University with first preference given to students from Hardin County, Ohio. Applicants who have demonstrated academic ability will be given favored consideration. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids with recommendations from any of the following:

1. Hardin County OSU Alumni Club
2. Hardin County High School Principals

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any scholarship purposes whatsoever as determined by the Board of Trustees with recommendations from the University Scholarship Committee.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Name and Description of Named Fund**

**From:** William H. Davis Scholarship Fund for Basic Medical Research  
**To:** William H. Davis Endowment for Basic Medical Research

This Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from William H. Davis, B.S.Bus.Adm. '26, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to support basic research in medicine to provide one or more scholarships to young scientists who have shown an interest in academic medicine as a career. All recipients should have an M.D. degree and should have had at least three years of training in research or in a graduate discipline. Income from the Fund will pay for expenses other than for the salaries of the researchers, provided that, if more than four researchers are employed at any one time and if income from the Fund is then sufficient, it may be used for salaries of researchers in excess of four individuals. During the first two years of the Fund's operation, the income should be equally divided between the Department of Surgery and the Department of Medicine. Thereafter, the division of funds will be determined by the Advisory Board.

There shall be an annual deadline for the submission of applications to become "Davis Scholars." Prospective scholars may be nominated by any faculty member in the Departments of Medicine or Surgery. The selection of research projects and the appointment of "Davis Scholars" will be made upon the recommendation of the Dean of the College of Medicine and Vice President for Health Sciences, in cooperation with an Advisory Board named by the Vice President for Health Sciences and whose members will include three (3) from within the University and two (2) non-physician representatives from outside the University, for a total of five. The members from the community-at-large should be individuals of considerable accomplishment in their respective fields, whether that be business, law, journalism or any other profession. Dorothy M. Davis and William C. Davis shall be members of the Advisory Board during their lifetimes or as long as they wish to serve, and in the event the service of either should terminate, the replacement shall be an individual who is qualified as stated above and who is nominated for this purpose by William H. Davis by letter or by will. All expenditures shall be approved by the Dean of the College of Medicine and the Chairman of the department from which the scholar is selected and/or from which the research project originated.

Any income resulting from the research provided by the Fund will be added to and maintained as part of the principal of the Fund in accordance with University policies on copyrights and patents. "Davis Scholars" may accept temporary assignments at other institutions to further their research, in accordance with the personnel policies of the University, but should return to Ohio State for a minimum of two years to teach and/or continue their research efforts.

February 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**William H. Davis Endowment for Basic Medical Research (contd)**

If at a later date a gift is received from Dorothy M. Davis, the name of the Fund shall be changed to the WILLIAM H. AND DOROTHY M. DAVIS ENDOWMENT FOR BASIC MEDICAL RESEARCH. An annual report of income and expenditures shall be prepared for the Advisory Board and William H. Davis, Dorothy M. Davis and William C. Davis.

Should the need for these scholarships and/or research projects cease to exist or so diminish as to provide unused income, then the income may be applied to principal or used only for basic medical research purposes recommended by the appropriate administrative official of the University who is then directly responsible for basic medical research.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-67

**STUDENT SERVICES BUILDING RENOVATION**

*Synopsis: Authorization to employ an architectural/engineering firm and request for construction bids is proposed.*

WHEREAS the Student Services Building was constructed in 1910 and has now deteriorated to the point where immediate attention must be given to the building in order to save it from complete deterioration; and

WHEREAS it is necessary to make repairs to the roof, the masonry and the foundation walls, and to replace the original wooden windows; and

WHEREAS \$650,000.00 has been appropriated in Amended Substitute House Bill 552 for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

February 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**STUDENT SERVICES BUILDING RENOVATION (contd)**

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Mr. Havens, the foregoing resolution was adopted by unanimous roll call vote.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-68

**STADIUM SCHOLARSHIP DORMITORIES - REPAIR AND RENOVATION**

*Synopsis: Authorization to employ an architectural/engineering firm and request for construction bids is proposed.*

WHEREAS extensive investigations and engineering studies have revealed the need to repair and renovate the scholarship cooperative dormitory space underneath the west side of the Ohio Stadium; and

WHEREAS this area houses over 300 students and this project will improve environmental conditions and safety within the area, including correction of current code deficiencies, improvements for handicapped accessibility and energy efficiency; and renovation work which will extend the life of the current space; and

WHEREAS \$5,114,920.00 has been provided by Residence and Dining Halls for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the

February 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**STADIUM SCHOLARSHIP DORMITORIES - REPAIR AND RENOVATION (contd)**

Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 82-69

*Synopsis: Plans and specifications are being proposed for the following project.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)  
TITLE III PROGRAM - CYCLE II**

**McCRACKEN POWER PLANT - DESUPERHEATERS  
AND PIPING INSULATION RETROFIT - ECM-3**

**Project:** Installation of a desuperheater in the Power Plant to reduce temperature of steam distribution through the system, and to also install additional insulation on piping in selected areas in the five-mile tunnel system to further reduce heat losses; these modifications will substantially save dollars in energy costs and will have a two-and-one-half-year payback.

**Funding:** Federal Grant, Ohio Board of Regents, University Funds (B/A 885147)

**Estimated Project Cost:** \$518,604.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and in accordance with established University procedures, to request construction

February 5, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)  
TITLE III PROGRAM - CYCLE II**

**McCRACKEN POWER PLANT - DESUPERHEATERS  
AND PIPING INSULATION RETROFIT - ECM-3 (contd)**

bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts, with all actions to be reported to this Board at the appropriate time; and

BE IT FURTHER RESOLVED, That all actions related to the award of construction contracts for this project shall be contingent upon approval by the Controlling Board for the release of the Ohio Board of Regents matching funds appropriated to the Regents for this project in Amended Substitute House Bill 552.

Upon motion of Mr. Galbreath, seconded by Mr. Immke, the foregoing resolution was adopted by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 82-70

*Synopsis: Plans and specifications are being proposed for the following projects.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**GAS LINE PROTECTION**

**Project:** Installation of protection on OSU gas distribution lines to reduce the rate of deterioration and extend the life of the system. It will include the installation of electric isolators to insulate and sectionalize pipes. Cathodic protection will be installed to decrease the rate of corrosion.

**Funding:** Amended Substitute House Bill 552 (Utilities and Renovation)

**Estimated Project Cost:** \$150,000.00

The estimates of cost for the following projects for parking lot maintenance have been increased from amounts originally approved by the Board on April 3, 1981. The initial approval included only projects for the fiscal year 1981; these revised projects have been expanded to include work not completed in 1981, plus work planned for 1982. The type of work remains the same.

February 5, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**PARKING LOT MAINTENANCE, 1981-82  
RESURFACING AND DRAINAGE MODIFICATIONS**

**Project:** Resurfacing and drainage modifications will be accomplished for the following parking lots:  
Dentistry Lot  
French Field House/St. John Arena - North Lot  
Printing Facility - East Lot  
Tuttle Park Lots 3 and 4 West and 1 and 2 East  
Water Resources Lot  
French Field House - South Lot  
Fawcett Center - North and South Lots  
Transportation Lot

**Funding:** Budget Account 885071

**Estimated Project Cost:** \$572,969.00

**PARKING LOT MAINTENANCE, 1981-82  
PATCH, REPAIR AND SLURRY SEAL**

**Project:** Patch, repair and slurry seal work will be accomplished due to deterioration on the following lots:  
University Airport - Main Parking Lot  
Dodd Hall - South Lot  
Research Center Lots

**Funding:** Budget Account 885071

**Estimated Project Cost:** \$214,167.00

**PARKING LOT MAINTENANCE, 1981-82  
PATCH, REPAIR AND EMULSION SEAL COAT**

**Project:** Patching, repairing and seal coating will be accomplished for the following parking lots due to deterioration:  
Women's Field House  
Drackett (North of Curl Drive)  
Cunz Hall  
Kinsman (Belmont and 10th Avenue)  
Sisson Hall (Northeast)  
Laundry  
Goss Laboratory

**Funding:** Budget Account 885071

**Estimated Project Cost:** \$46,635.00

February 5, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Immke, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-71

*Synopsis: A contract has been awarded for the project listed below to the lowest and best bidder in accordance with University procedures.*

WHEREAS a resolution adopted by the Board of Trustees at a previous meeting authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of a contract for the following project:

**OHIO UNION, REPLACE ELEVATOR**

Description: Installation of new passenger elevator to replace obsolete elevator for which repair parts are no longer available. The new elevator will be complete with handicapped features added.

**General Contract**

Date Received:	December 9, 1981
No. of Bids:	2
Low Bid:	\$ 78,839.00*
High Bid:	\$102,198.00*
Estimate of Cost:	\$115,000.00*
Awarded to:	Dover Elevator, Columbus, Ohio

\* Recommended Alternates reflected in these figures.



February 5, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

**OHIO UNION, REPLACE ELEVATOR (contd)**

Total Contract:                   \$ 78,839.00  
Total Contingency Allowance:   \$ 5,075.86 which is 6 per cent of construction contract  
Total Project Cost:               \$ 86,000.00  
Funding:                            Budget Account 885160

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of a contract and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**SALE OF PROPERTY - 111.508 ACRES IN PLEASANT TOWNSHIP,  
FRANKLIN COUNTY, OHIO (HENDERSON FARM)**

Resolution No. 82-72

*Synopsis: Sale of the University's interest in 111.508 acres of the Henderson Farm in Pleasant Township of Franklin County is proposed.*

WHEREAS pursuant to the Last Will and Testament of Dr. Roger C. Henderson, this Board acquired an undivided one-half interest in a certain approximately 228.61-acre tract of real property (known as the Henderson Farm) located in Pleasant Township, Franklin County, Ohio, which real property is more particularly described in the Certificate of Transfer issued by the Greene County, Ohio, Probate Court on February 24, 1981, and recorded in Official Records Volume 626, pages C09 through C11, both inclusive, Recorder's Office, Franklin County, Ohio; and

WHEREAS on March 2, 1981, Margery W. Henderson, as grantor, and the Treasurer of The Ohio State University, as Trustee, entered into a Charitable Remainder Annuity Trust Agreement pursuant to which Margery W. Henderson gave, assigned, and conveyed to the Treasurer the remaining undivided one-half interest in the Henderson Farm (together with other personal property described in the Trust Agreement); and

WHEREAS the Board of Park Commissioners of the Columbus and Franklin County Metropolitan Park District has submitted an offer to purchase a 111.508-acre portion of the Henderson Farm for \$228,591.40; and

February 5, 1982 meeting, Board of Trustees

**SALE OF PROPERTY - 111.508 ACRES IN PLEASANT TOWNSHIP,  
FRANKLIN COUNTY, OHIO (HENDERSON FARM) (contd)**

WHEREAS it is the desire of this Board to accept the offer of the Board of Park Commissioners and sell all of this Board's right, title, and interest in and to the 111.508-acre portion to the Board of Park Commissioners; and

WHEREAS the Treasurer, as Trustee, has agreed to this sale and authorized the University to proceed on his behalf; and

WHEREAS the University and the Treasurer, as Trustee, are in mutual agreement as to the selling price:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Business and Administration be authorized to sell, in the name of the Board of Trustees of The Ohio State University, all of the University's right, title, and interest in and to the 111.508-acre portion of the Henderson Farm to the Board of Park Commissioners and to grant to the Board of Park Commissioners an easement running approximately along the south property line of the remaining 117.1-acre portion for ingress and egress to and from the 111.508-acre portion and Gardner Road.

Upon motion of Mr. Immke, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**COMPLIANCE WITH REGULATION OF THE  
OHIO PUBLIC FACILITIES COMMISSION**

Resolution No. 82-73

*Synopsis: Authorization for designated officials to submit required documentation to the Ohio Public Facilities Commission and to certify compliance with the Commission's regulations is requested.*

WHEREAS pursuant to Chapter 154 of the Revised Code and the regulations of the Ohio Public Facilities Commission, each State institution of higher education, to which funds are appropriated in Amended Substitute House Bill 552 enacted by the 114th General Assembly, is required to authorize a designated official to sign and submit to the Ohio Public Facilities Commission documentation required with respect to the individual projects for which funds are appropriated; and

WHEREAS in submitting this documentation each institution is required to permit the Commission to use designated institutional sites for the purpose of these projects and to agree to undertake the performance of the functions and responsibilities of a using governmental agency as provided in the Commission's regulations with respect to such projects:

February 5, 1982 meeting, Board of Trustees

**COMPLIANCE WITH REGULATION OF THE  
OHIO PUBLIC FACILITIES COMMISSION (contd)**

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to complete, sign, and submit to the Ohio Public Facilities Commission documentation required by the Commission for any or all of the projects for The Ohio State University provided for or pursuant to the appropriations made under Section 11 of Amended Substitute House Bill 552 enacted by the 114th General Assembly; and

BE IT FURTHER RESOLVED, That this Board agrees to permit the Ohio Public Facilities Commission to use designated University sites for the purpose of such projects, the boundaries of which will be shown in the plans for such projects, for so long as the respective notes, if any, and bonds issued to finance the projects shall be outstanding; and

BE IT FURTHER RESOLVED, That this Board agrees to undertake performance of the functions and responsibilities of a using governmental agency, and of a designated governmental agency to the extent it is such, as provided in the regulations of the Ohio Public Facilities Commission and any applicable leases, agreements, or rules of the Commission with respect to such projects.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**APPOINTMENT OF INVESTMENT COUNSELORS**

Resolution No. 82-74

*Synopsis: Appointment of Investment Counselors is being proposed.*

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee, the following investment policies pertaining to the University's Endowment Investments Portfolio be implemented in accordance with the terms and conditions set forth.

Reappointment of the following-named investment managers to counsel in Endowment investments totalling the initial amounts indicated:

The Chicago Corporation	\$14,000,000
Huntington Investment Management Corporation	\$19,500,000
Siebel Capital Management, Inc.	\$11,000,000

February 5, 1982 meeting, Board of Trustees

**APPOINTMENT OF INVESTMENT COUNSELORS (contd)**

Appointment of the following-named investment manager to counsel in Endowment investments totalling the initial amount indicated:

Webster Management Company	\$1,000,000
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Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-75

RESOLVED, That the report on the University's Investment Portfolio, dated January 15, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, March 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-SEVENTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 5, 1982

The Board of Trustees met at its regular monthly meeting on Friday, March 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

March 5, 1982 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Warren J Smith, John D. Jacob, D. James Hilliker, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

President Jennings:

Mr. Chairman, at the last Board meeting some good discussion developed regarding our dormitory system. I have today requested Mr. Bill Hall to provide this Board with a general overview of The Ohio State University's Dormitory System. Mr. Hall is our Director of Residence and Dining Halls.

#### **REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM**

Mr. William Hall:

Mr. Chairman, Members of the Board: I would like to present you a member of my staff that will do the overview, and the reason that I picked this individual he represents, I think, the tip of the iceberg in terms of the professionalism that exists within the Residence Hall System. Mr. Roger Meyer has over 20 years of experience in the system and has virtually worked in every functional area within the system.

Mr. Roger Meyer:

Thank you. Starting our presentation out this afternoon concerning the Residence and Dining Halls at The Ohio State University, we thought this picture of University Hall might be quite appropriate because for many people this building--University Hall--stands as a strong symbol of what the University means to them. We need to think back but a relatively few years ago when it was necessary for the University to tear down the original building to make way for the building that now stands and remember what some of the outcry was from the public and various of the alumni. Very honestly University Hall stands as a strong symbol for us in Residence and Dining Halls as well, in terms of the kind of relationship that has existed for a great many years. History tells us, for example, that in 1873 when University Hall was initially constructed and opened, that there was an area set aside on the first floor for the housing of students. History tells us that the rooms were created there by the mere hanging of curtains as room dividers. There was an area set aside for the preparation of meals and Professor Mendenhall was selected as the Head Resident and lived there in this facility with his wife and with his son. So from the very early beginning, the residential concept has been one that has been intertwined with the University in meeting its broad mission, and it's a kind of relationship that has continued to flourish over the years until the present time--today--when we find provided throughout the University campus a variety of Residence and Dining Halls facilities.



March 5, 1982 meeting, Board of Trustees

**REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)**

Mr. Roger Meyer: (contd)

On the north edge of campus, for example, between Lane Avenue and Woodruff Avenue, there is a North Area of residence halls. On the south edge of campus, between 12th Avenue and 11th Avenue, we have the South Area residence halls. Then just northwest of the central campus is Buckeye Village which is our family housing unit. Then along the Olentangy River we have the Olentangy Area of residence halls which consists of Lincoln Tower, Morrill Tower, and Stadium Scholarship Dormitory in the Stadium, which was an item on the Board agenda at the last meeting.

Then just east of High Street there are a few homes that we operate as co-op scholarship units there as well. In all of these facilities the University accommodates about 11,500 students; and they consist of graduate students, professional students, undergraduate students, international students, scholars, of course, married students living in Buckeye Village. And in accommodating this variety of students, obviously we have got a variety of relationships and programs that exist within the University.

Accommodating graduate students, for example, we do have a relationship with the Graduate School. With the undergraduate colleges, there is a variety of relationships that we have with respect to some of the special programs that we have in the residence halls. For example, we have the Honors Residential Center which is located in Taylor Tower in the North Residence Halls Area and that particular program is tied in with the Colleges of the Arts and Sciences. There we accommodate about 400 students. Men and women students are eligible for that program. They need to be honors students--Grey Austin and Jack Cooley in the Honors Program Office in the Colleges of Arts and Sciences have for years worked with that program, selecting the students eligible to live there and trying to accommodate and provide as much faculty interaction with that program, trying to provide as many enrichment experiences as possible in this Honors Residential Center. As a matter of fact, for the next year we are looking at the possibility of expanding that program even beyond the 400 spaces that currently exist.

We have the Engineering Residential Centers tied in with the College of Engineering. Those are located in Houck House in the North Area, as well as in Morrill Tower in the Olentangy Area. That is a program that has been in existence for a number of years, has received excellent support from the College of Engineering, and it is an opportunity for faculty to come into the residence halls there where we provide computer terminals; they work with students on the computer equipment there--faculty come in to talk to students about the nature of the engineering profession, and generally it has attempted to encourage a great deal of student and faculty interaction there.

Women in Health Sciences is a program that we have offered in Mack and Canfield Halls in the South Area Residence Halls, as well as in Lincoln Tower in the Olentangy Area.

March 5, 1982 meeting, Board of Trustees

**REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)**

Mr. Roger Meyer: (contd)

With the College of Agriculture, Home Economics, and Natural Resources, we have had a very long standing program existing in Norton and Scott Houses in the North Residence Halls. There, Ray Miller and Ted Darrow have been principals who have once again been responsible for selecting students, for providing continuous support for that program, and generally insuring its success. Roy Kottman was up here just a little bit ago, and he happens to be a very strong supporter of that program as well, and involves himself and spends a portion of his time with that program.

The Multicultural Center is our newest program in residence halls. It has been started this year, and it is located in Blackburn and Haverfield Houses in the North Area, and as the name might suggest, it is a program opportunity for students who may be interested in learning more about cultural differences and cultural similarities to participate in that program.

Olentangy Area programs are located in Lincoln and Morrill Towers, and it is a type of program that is a support program. Students, by and large, who participate in that program submit to some testing. Some test instruments are sent to them at their homes. The results of those tests can be used then in terms of completing their specific assignments with roommates, assignments with other students in an academic--of a like academic interest, or assignment of students in areas of special interest other than academic considerations. This program is aimed primarily at freshmen students who are enrolled in University College, and it tries to anticipate the concerns, the interests, the problems that students may have in moving from the high school experience to the University experience.

We have had a couple of very fine spinoffs from that program. There are some indications that are coming back to us of its success. We find, for example, those students indicating that they feel a better sense of belonging as they participate in that program in these Towers. With that improved sense of belonging comes a tighter community feeling, and there are some payoffs there in terms of--there are some indications that there is less damage to the public areas--a little bit more ownership to the facility and to the community there. With the smoke detector system that we just recently installed and we will have a few comments on in a little bit, we have noticed some excellent staff support and student support in that facility. So some of the attitudinal concerns we kind of think that we are getting at and turning around just a bit. As a matter of fact, we appreciate some of the comments we have been receiving, too, of improved intellectual development, some indications of that as well. So we are very interested in continuing these programs here.

The last listed here is the Cooperative Scholarship Housing Program, which as indicated earlier, is in the Stadium Scholarship Dormitory. It is our oldest residence hall program. As a matter of fact, the alumni in that unit are getting ready to celebrate the 50th year since the start of that program. This facility is unique,

March 5, 1982 meeting, Board of Trustees

## REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. Roger Meyer: (contd)

too, in terms of the fact that it does have an alumni organization. This is a facility that accommodates about 360 students. It is a unique community, there is a unique fabric to it and there is a very close sense of identity with that program which obviously continues then into the years after the University experience with the alumni organization as it exists. There are two criteria that students must meet on a continuing basis to be eligible to live there. One is they must maintain themselves scholastically in the upper 25 percent of their respective college class (that's on a continuous basis). The other aspect is the criterion of financial need. They must meet financial need criteria on an ongoing basis there as well. So we are very pleased about that program and its very long life at the University here.

Well, in addition to these more formally structured programs there is a variety of programming activity that goes on beyond these formal kinds of relationships. Our professional staff in the residence halls that we have provided are working continuously, working with student leadership, and providing a wide range of program interest for students in the residence halls. That range could be from working with student development programs in individual halls to involving students in administrative policy review and administrative policy formulation. In the dining commons, it can range from providing theme dinners or special event dinners, to providing nutrition and nutrition education programs, weight control programs, and so on.

We provide 'how to study' sessions in the residence halls to improve study skills, and also set aside areas for students to study as well as quiet areas for students to live. We have sessions regarding energy conservation, trying to develop that consciousness about conserving resources, as well as having education programs with respect to the smoke detector system that has been installed. We are counseling with students regarding their personal concerns, as well as counseling with students regarding their academic, their career, and their vocational concerns. So a myriad of activities is being conducted in the halls. The professional staff, working with the student services staff and their resources, and working with faculty and staff of the University to bring them into the residence halls. The facilities that we are talking about permitting us to do these programs--there is another point I want to make--these are the kinds of things that we do during the academic year in the residence halls.

During the summer months when the University's enrollment takes a bit of a dip, so does our occupancy within residence halls, and it is at that time after we have accommodated the students that require Summer Quarter housing that we make our facilities available for other aspects of the University who may be able to benefit from them. For example, in University College, the University's Orientation Program is administered for those students attending that new student orientation program; we accommodate them in Morrill Tower. We also accommodate there during the summer months the parents who attend the University's Parent Orientation Program. Remaining facilities that are not utilized or needed

March 5, 1982 meeting, Board of Trustees

**REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)**

Mr. Roger Meyer: (contd)

during the summer months for Summer Quarter housing are offered through the Office of Continuing Education to various of the administrative and academic units of the University that are interested in conducting special meetings, special programs, conferences, and so on during the summer months. So what we are trying to do is to keep our facilities in as much service as possible to the entire University community.

The facilities that we are talking about are 72 structures and for the most part they consist of residence halls for undergraduate and graduate students. They consist of the family living units in Buckeye Village, our dining and kitchen facilities provided in the North, South, and Olentangy Areas (incidentally furnish about 4.3 million meals per year). And then completing the 72 buildings we have several support facilities that are in our complex as well. These units were constructed by the University and opened between the years 1908 when Mack Hall was brought on line to 1969 when Jones Tower, our graduate facility, was opened. All of these facilities together comprise about 3.1 million square feet and the replacement value of those facilities has been calculated at \$163 million, and I might add that is in 1981 dollars.

Completing that scenario just a bit, we operate on a current annual budget of about \$27 million. We employ about 560 classified civil service employees, about 38 professional staff, and provide employment opportunities for about 1,200 students and we do this kind of with the idea in mind that it is a financial aid type of opportunity for students to participate in, and help defray some of their costs of attending the University. Our concern--the Office of Residence and Dining Halls was established by the University in order to administer these facilities and there were four chief responsibilities given to that office, one of which is the educational programs that we have already discussed here briefly. Another has to do with the office operating these facilities on a self-support basis, trying to keep the fees just at the lowest level possible. A third responsibility is that of while operating the residence halls on a self-support basis, we operate them in such a way, too, that we repay the bondholders on proper schedule. The final responsibility, or the fourth responsibility, is that of administering the physical plant on a current basis, as well as on a future basis, appreciating that there are needs that the facilities will be having for the future to maintain them in service. In that regard, with an eye toward the future, we had just completed a study of our facilities--25-year look into the future--to see what might be involved in maintaining them in service to the University. We enjoined a firm--Alden E. Stilson & Associates--for the purpose of conducting that study, and they have completed it, they have given us the results, and we are studying them now trying to develop the program that is most appropriate to follow through on that.

In closing this brief overview, we thought it might be appropriate to leave with you a few of today's immediate challenges that we find ourselves involved in, and we find ourselves expending our energies on. Capital improvements requirements I have just mentioned in terms of the facility review that we just had

March 5, 1982 meeting, Board of Trustees

**REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)**

Mr. Roger Meyers: (contd)

completed. We learned that in the 25-year frame that our costs might be about \$92 million in 1981 dollars that we might have to develop programs in order to maintain the facilities in proper service. Narrowing that down just a bit, we could look at say the next five years of that 25-year period, and there we are looking at a cost of \$22.5 for the program that has been outlined for us. We have a real challenge there in trying to meet that program because we have very limited accumulated reserves within the residence halls, and we know that we are in no position to approach the State Controlling Board for funds, nor are we in a position to approach the University for appropriated monies, so it is definitely an immediate challenge to determine how it is that we are going to develop the funding to meet that capital improvement program.

Well, another aspect that has our energies consumed right now is that of budgeting for the fiscal year 1982-83 and doing that budgeting in such a way that once again we are going to be able to provide services at the lowest possible fees, and we may have to be adjusting some service levels in residence halls this year with some of the other factors that need to be recognized. The budgeting is also going to be done, and is being done, in terms of recognizing the assigned indirect administrative overhead charges and then also the budgeting is being done with an eye toward developing, setting aside more in the way of capital reserves to help meet these capital improvement requirements here. Well, these are some of the challenges that we are working with on a day-to-day basis, but it is very definitely with the idea in mind that what we are trying to do is maintain the education programs, the educational dimensions, the educational support that is appropriate for the University's students as they live in residence halls and that are appropriate for the University's very broad mission, and as a matter of fact we feel that we have been trying to be about for these many years here.

Mr. William Hall:

While I have the Board's attention, I would like to comment on one specific aspect of the Residence Hall program and that is the Board authorized, approximately two years ago, the expenditure of funds for the early warning or smoke detector system that we installed in the Residence Halls, and I would like to give the Board just a brief update of the success that we have had with that program. The brief report before you will indicate the substantial reduction in nuisance alarms, if you will, that we have had within the system which ultimately has increased the safety that we do provide to the residents. From our initial design of this project, it was our hope that we would, when we completed the installation, have a system that was first of all manageable; and one that we would operate with a minimum of cost; but you will note before you that we have installed approximately 7,000 sensing devices in the residence hall system. And the uniqueness of our system is that we no longer, for example, evacuate a 24-story high-rise building. It is now done in a zone evacuation basis. For example, if an alarm is

March 5, 1982 meeting, Board of Trustees

**REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)**

Mr. William Hall: (contd)

sounded on the twenty-second floor, we will evacuate that floor and the floor above. It was a rather horrifying experience to evacuate 24 floors, for example, at three o'clock in the morning. I don't know if you have even seen that happen, but it was definitely a complicated procedure.

The other feature that we have in our high-rise buildings is that we have a fire command system whereas if the fire chief should come into that building he has immediate access to each and every floor in that building through a verbal communication system or he can give directions to students and staff as to where they can move throughout that building to stay away from smoke or fire. The other unique feature that we have in this system is that we have a staff alert system, whenever there is an alarm in the building that the residence hall staff immediately knows by monitoring central panels where that alarm is. A signal is sent to each resident advisor on that floor and they can check out that alarm. Immediately we will know whether it is a trouble alarm or an incident where smoke or fire exists where we call the fire department. But in essence we are most pleased with the system. It is very effective and we have enhanced the safety of our residence halls students tremendously on this campus. Thank you.

President Jennings:

Thank you Bill. I think as you can see we are awfully proud of our residence and dining halls system. Modestly, you folks have provided a good overview. I think it is important to recognize that in the University, in particular Ohio State, this is indeed a resident campus, and that the dormitory and food service activities are, we believe, there fundamentally for educational purposes--that the learning and living environment provided in the residence halls system is enormously important to the undergraduate and graduate education opportunities for the student. The students' classroom activities are critical but all the learning and teaching does not go on just in classrooms. The residence halls are an integral part of that, and I am frankly quite proud to see such a complete system.

As you can also see, the residence halls, like the entire University, is plagued with financial difficulties. The Stadium Dormitory issue is another example of some of the problems that get generated from a general lack of funding in this institution. While the residence halls are not generally supported by state appropriation, part of the problem, whether it is with the Stadium Dorm or any place else, is coming from the inadequate support of the General Assembly right now because we are having to call on the residence halls to do more of the academic activity than they have done in the past, and they are doing a great job on that but some of the effects are being seen in curtailment, particularly in capital activities. Thanks very much Bill.

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March 5, 1982 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM

Resolution No. 82-76

*Synopsis: Resolutions honoring the service of six of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Hilliker, seconded by Mr. Berry, the foregoing resolution was adopted by the Board of Trustees by a unanimous voice vote.

Malcolm M. Helper

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 1, 1981, of Malcolm M. Helper, Professor in the Departments of Pediatrics and Psychology.

Dr. Helper was born on March 27, 1928, in Henry, Illinois. Growing up in an intellectually stimulating family while living in an isolated rural setting left an indelible imprint on his character. Until the end he seemed more the homespun farmboy than the polished professional, his unassuming manner and his common touch being inbred. He viewed his numerous achievements with inner amusement and a touch of incredulity, since neither competitiveness nor self aggrandizement was in his nature.

Professor Helper has been the Acting Chief both of the Division of Psychology in the Department of Pediatrics and the Section on Child Development and Psychology of Columbus Children's Hospital since 1977. Prior to coming to The Ohio State University, he held positions at the University of Nebraska College of Medicine and the Nebraska Psychiatric Institute in Omaha.

Dr. Helper's brilliance was evidenced in all of his intellectual undertakings. He graduated from the University of Illinois in 1949 with University Honors and Phi Beta Kappa. Subsequently he published on a wide array of topics ranging from the acculturation of the American Indian adolescent to the effects of chlorpromazine on learning in emotionally disturbed children. His command of the literature and of research methodology was awesome. Ask him about almost any topic and he would be apt to come up not only with author and title but journal and date as well. His command of research design and statistics was equally impressive. But what no listing of publications can capture is Dr. Helper's priceless impersonality - that clear separation of intellect from ego which enables ideas to be evaluated on their merit alone.

Dr. Helper was a superb clinician. He had that rare ability of being aware of complexities and contingencies, yet of being simple and direct in discussing children and making recommendations. Moreover, in all of his dealings with troubled parents and children, his humanity was as deep as his insights were keen.

March 5, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Malcolm M. Helper (contd)

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding at its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in their bereavement.

Alex Laurie

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 1, 1982, of Alex Laurie, Professor Emeritus, Department of Horticulture.

Dr. Laurie was born on May 23, 1892, in Bordeaux, France. He received a B.S. degree in horticulture from Cornell University in 1914 and a M.A. degree from Washington University in 1917. He was an Instructor at the University of Maine from 1914 to 1916 and was a horticulturist at the Missouri Botanical Gardens from 1916 to 1925. From 1925 to 1929 he was an Assistant Professor of Horticulture at Michigan State College. He came to The Ohio State University in 1929 as a Professor of Horticulture. He resigned from this position in 1952 after twenty-five years of dedicated service.

Among his many accomplishments were the establishment of two of the major florists organizations in existence today. He organized the Ohio Florists' Association in 1929 and served as the organization's Secretary/Treasurer from 1929 to 1952. In 1937 he organized Roses, Inc. and served as the Secretary/Treasurer of that organization until 1954.

Professor Laurie has received numerous awards: Hall of Fame of the Society of American Florists, Fellow of the American Society for Horticultural Science, Hall of Fame of the Florida Foliage Association, and Alex Laurie Award of the Society of American Florists.

Among the many organizations of which he was a member are The American Society for Horticultural Science (President, 1936), Sigma Xi, Pi Alpha Xi, Alpha Zeta, Phi Sigma, Pi Kappa Phi, and Gamma Sigma Delta.

Perhaps his most significant research contribution was the commercial application of the principle of photoperiodism whereby the flowering of many plants could be controlled by manipulating the length of day.

Professor Laurie was a dedicated and highly respected educator. He served as advisor to over five hundred floriculture students at The Ohio State University. Of these five hundred plus students, approximately one hundred obtained either a M.S. or Ph.D. degree under his advisorship.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family. This is done in sincere appreciation of the Board's realization of the loss which the family, the University, and his many friends and associates have sustained.



March 5, 1982 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Wilford L. L'Esperance III

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1982, of Wilford L. L'Esperance III, Professor, Department of Economics in the College of Social and Behavioral Sciences.

Dr. L'Esperance was born in New York, New York, on December 9, 1930. He received a B.A. degree from Columbia in 1951, the M.S. degree from the Graduate School of Business, Columbia University, in 1952, and the Ph.D. degree in Economics from the University of Michigan in 1963.

Dr. L'Esperance joined the economics faculty of The Ohio State University in 1963 as an Assistant Professor, having previously held positions at the University of Michigan and Indiana University, Fort Wayne, Indiana. He served from 1953 to 1955 as a mathematical analyst with the U. S. Army's Missile Development Division at Huntsville, Alabama, as well as a marketing research analyst for General Electric Company from 1955 to 1960. He was promoted to Associate Professor at OSU in 1966 and to Professor in 1970.

Nationally recognized as an authority on state and regional econometric models, L'Esperance was the founder in 1973, and president until 1979, of Midwest Econometrics, Inc., a Columbus-based economic forecasting service owned by BancOhio Corporation. He was the first in the United States to develop a regional econometric model for Ohio to provide economic analyses and forecasts for the state, region and local governments.

Dr. L'Esperance was a very cultured man, deeply concerned with the preservation of Ohio's history, with the ethos of Central Ohio, and with the growth of Columbus. He was frequently consulted on matters of state and local economic development policy, testified before legislative committees, and was in demand as a speaker before civic associations and similar groups.

Since 1975 he served as a consultant to the Columbus Department of Development, worked on economic development plans for Central Ohio, and attracted substantial resources for improvement within the region. Mayor Tom Moody appointed him to the Technical Advisory Group of the Mayor's Economic Development Council and to the Columbus Energy Council. Characteristically, his last efforts were focused on a bill in the state legislature for the establishment of a state-wide center to promote business and economic research and development.

Professor L'Esperance authored numerous journal articles and research monographs. His first textbook *Modern Statistics for Business and Economics* was widely used. His latest book *The Structure and Control of a State Economy* was published in 1981. He was instrumental in the establishment of the *Columbus Economic Review*, published by the City of Columbus. He was active in the American Economic Association, the American Statistical Association, the Regional Science Association and the Ohio Academy of Science.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding at its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

March 5, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Eleanor W. Lewis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 24, 1981, of Eleanor W. Lewis, Associate Professor Emeritus in the School of Nursing.

Miss Lewis was born in Hawley, Minnesota, on January 25, 1901. She was orphaned during her early childhood. By the time she entered Colorado Springs High School, Colorado Springs, Colorado, she had gone to live with and work for a family from whom she learned much about the arts. After graduating from high school in 1918, she spent several years traveling with an ill daughter of the family with whom she lived. In 1922, she entered Radcliffe College and graduated from there in 1925, having earned an A.B. degree in romance languages. Wanting to dedicate her life to the service of others, Miss Lewis entered the second class to ever graduate in nursing from Yale University School of Nursing and graduated from there in 1928 with a Bachelor of Nursing degree.

In 1952, Miss Lewis earned a Master of Science degree with a major in Psychiatric/Mental Health Nursing from Yale University. In the interim between 1928 and 1952, Miss Lewis held a variety of positions in nursing in such institutions as the University of California School of Nursing; Grosslands Hospital School of Nursing (Valhalla, New York); Cornell University School of Nursing; Spring Grove State Hospital (Catonsville, Maryland); Institute of Living (Hartford, Connecticut); Payne Whitney Clinic, New York Hospital (New York City); Four Winds Sanatorium (Katonah, New York); New Haven Hospital (New Haven, Connecticut); Brooklyn Visiting Nurse Association (Brooklyn, New York).

In 1952 Miss Lewis accepted a dual position at The Ohio State University. She served as an associate professor at the graduate level in the School of Nursing, where she initiated the School's Master's level psychiatric nursing program. She also served as an associate director of nursing service at the Columbus Receiving Hospital (since renamed Upham Hall). She served in both these capacities until 1964 when she became a full-time member of the graduate faculty in the School of Nursing.

Miss Lewis spent much of her professional life upgrading the quality of nursing care available to psychiatric patients. She inspired those around her to reach for that which seemed just outside of their reach. Her unshakeable belief in and respect for those under her tutelage enabled them to mature professionally as well as personally. True to the developmental task of generativity, Miss Lewis was never too busy to lend support to younger colleagues when they were in need.

Miss Lewis' primary contribution to the profession of nursing was in the form of actively developing new generations of psychiatric/mental health practitioners. Today these practitioners - each carrying with them the wisdoms gained through association with an expert mentor - are scattered throughout the United States and abroad.

On behalf of the University, the Board of Trustees expresses to Mr. John C. Binger its sympathy and sense of understanding in his loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to him as a humble expression of the Board's heartfelt sympathy in his bereavement.

March 5, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Will Rannells

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1982, of Will Rannells, Professor Emeritus in the Department of Industrial Design.

A native of Caldwell, Ohio, Professor Rannells graduated from the Art Academy of Cincinnati in 1920. He joined the faculty of The Ohio State University in 1926 and was Professor in Art for the School of Fine and Applied Arts for 35 years before retiring in 1961.

Professor Rannells was nationally known for his canine portraits. He designed covers and illustrations for national magazines, such as *Life*, *McCall's*, *Judge*, *Farm and Fireside*, and *Country Gentlemen*. His annual dog calendar, produced for the Buckeye Union Company for more than 40 years, was a favorite of dog fanciers. He became widely known when he illustrated Eldon Roark's book *Just a Mutt* in 1947. The model for two of the book's drawings was Rannells' Irish terrier, Ginger.

Professor Rannells also illustrated a number of children's books including *Waif*, *The Story of Spe*, *Animal Baby Knows*, *Jack, Jock and Funny*, *Timmy*, and *Animal Picture Story Book*.

Listed in *Who's Who in America* since 1928, he was selected for inclusion in *Who's Who in the World* in 1979. In 1977, he was honored by the Greater Columbus Arts Festival for his contributions to the cultural arts in Columbus.

Professor Rannells put his love for dogs into action through the Capital Area Humane Society. During his 60 years with the organization, he hunted dog poisoners, investigated cases of animal cruelty, advised owners on the care of dogs and served as champion of the animal population in Franklin County. He also served as the Society's President for several years and on its Board of Directors.

Professor Rannells donated his works to the OSU libraries where they will be exhibited April 4 - May 5, 1982, in the Skylight Room of the OSU Main Library.

On behalf of the University, the Board of Trustees wishes to express to his family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

John W. Riner

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 26, 1982, of John W. Riner, Professor and Vice-Chairman of the Department of Mathematics.

March 5, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

John W. Riner (contd)

Professor Riner was born in Kansas City, Missouri, on July 29, 1924. His collegiate education was interrupted by World War II; he served on the front lines in France both before and after receiving a Purple Heart as a U. S. Army Corporal. He completed his B.S. degree at Rockhurst College in 1947. The University of Notre Dame awarded him a M.S. degree in 1949 and a Ph.D. degree with the Mathematical specialty Topology in 1953.

Professor Riner held Assistant Professor of Mathematics positions at St. Peters College from 1953 to 1956 and at St. Louis University from 1956 to 1959. He joined the Mathematics Department at The Ohio State University in 1959 as an Assistant Professor, was promoted in 1963 to an Associate Professor, and was promoted in 1970 to Professor. He has served the Department of Mathematics as Vice-Chairman continuously since 1970.

Professor Riner pioneered the development of television instruction of Mathematics in the 1960's, allowing The Ohio State University to teach mathematics to 8,000 students with only 20 faculty during a time of expansion. He also led the Curriculum Revision in Mathematics at the Elementary Level (CRIMEL) program which gained national attention as an efficient means of providing individualized paced mathematics in a modular mode to large numbers of students. He gave several invited addresses to the National Council of Teachers of Mathematics and to the Mathematical Association of America on this CRIMEL program. Professor Riner developed a liberal arts mathematics course which was especially popular in the 1970's with humanities students. He also developed a remediation program to make our Mathematics program accessible to any conscientious OSU student, regardless of preparation.

During the summers of 1965 through 1974, Professor Riner directed the National Science Foundation Institute for High School Teachers at OSU. He had been the faculty advisor for many years of The Ohio State University Sports Car Club.

Professor Riner was presented the prestigious Rosalene Sedgwick Faculty Service Award by OSU's Colleges of Arts and Sciences in 1982. He authored or coauthored four textbooks for precalculus students or business students. He also published several articles. Professor Riner was a member of Sigma Xi and of the American Mathematical Society. He was listed in *American Men of Science*.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding at its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in their bereavement.

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March 5, 1982 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT**

Resolution No. 82-77

*Synopsis: Approval is being requested for awarding degrees and certificates for Winter Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on March 19, 1982, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**APPOINTMENT OF TRUSTEE TO THE OHIO LEGAL CENTER**

Resolution No. 82-78

*Synopsis: A recommendation for appointment of a trustee to The Ohio Legal Center is proposed.*

WHEREAS in compliance with the Code of Corporate Regulations of The Ohio Legal Center, the Board of Trustees of The Ohio State University approves appointment of trustees from the faculty membership of the College of Law; and

WHEREAS Professor Claude Sowle will be terminating his service in the College of Law at the end of this academic year to take the Deanship at the University of Miami:

NOW THEREFORE

BE IT RESOLVED, That Professor Michael D. Rose be appointed as trustee of The Ohio Legal Center, effective March 5, 1982.

Upon motion of Dr. Jacob, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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March 5, 1982 meeting, Board of Trustees

## THE OHIO STATE UNIVERSITY AIRPORT RULES

Resolution No. 82-79

*Synopsis: Adoption of rules governing the operation and use of the University Airport is recommended.*

WHEREAS The Ohio State University owns and operates an airport facility to further enhance the nationally renowned teaching, research and service missions of the Department of Aviation; and

WHEREAS the University Airport has served owners of small aircraft in general aviation for several decades and will continue to do so into the foreseeable future; and

WHEREAS the College of Engineering and the Department of Aviation have revised The Ohio State University Airport Rules to reflect to the users of the facility and to the surrounding community their commitment to the missions of the University, the college and the department; and

WHEREAS the Airport Advisory Council participated in the development of these rules, and the proposed revisions represent over two years of research and work in consultation with this Council as well as various constituent groups; and

WHEREAS revision of these policies and their codification as Rules of the Administrative Code are deemed necessary to ensure the safety of airport operations, regulate the use of airport facilities, and generally promote the efficient operation of the airport:

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University Airport Rules be adopted by the Board of Trustees to become Rules 3335-105-01 through 3335-105-11 of the Ohio Administrative Code.

President Jennings:

Mr. Chairman, in the Educational Affairs Committee this morning it was recommended that the Airport rules, as recommended by myself, be adopted at this meeting. It would perhaps be appropriate if Mr. Thompson could review again the outline of those rules.

Mr. Thompson:

Thank you Mr. President. Mr. Chairman and Members of the Board: As I stated this morning-basically these rules that are proposed for adoption deal with the governance and operation of The Ohio State University Airport and deal with such matters as aircraft and flight operation, vehicles, safety and noise abatement. At the Airport we really do want to foster and encourage the use of The Ohio State University Airport and some of the revisions are necessary in the rules because of primarily four reasons:

March 5, 1982 meeting, Board of Trustees

**THE OHIO STATE UNIVERSITY AIRPORT RULES (contd)**

Mr. Thompson: (contd)

1. Current economic constraints on the University;
2. Concern by the community over some possible lack of control by the University over the Airport property;
3. A need to insure, because we are an educational institution, that flight instruction which is given on University premises be through our Flight Training Clinic, and if these rules are adopted, that we would attempt to implement them to accommodate all the users at the Airport; and
4. To reiterate a little more clearly, possibly, our proprietary, exclusive rights recognized under FAA policy.

The procedure that we have developed, as you heard this morning, was to meet with various constituencies who use the Airport, including the flying clubs, the corporate owners, the private aircraft based owners, as well as the State of Ohio. We have gotten a lot of their input. We have incorporated much of it into the rules and as we develop further our guidelines with respect to the Airport Manager, if these rules are adopted in the operation, we will look forward to working more closely with these groups.

President Jennings:

Thank you Mr. Thompson. Mr. Chairman, I would concur with the Committee's recommendation that these rules be adopted. I think it is important to point out that there are, as in many rules and regulations in an institution of this size, always differences of opinion and particularly differences of opinion in legal matters. I am satisfied that the process has operated here--I am also satisfied that we have in place now an ability to work through some guidelines to implement these rules so that any inconvenience will be minimized; indeed, I look forward to a good relationship with all the people using the Airport currently and those who might use it in the future. I think with the adoption of these rules, it will be very important for us to continue to work with the users of Don Scott Field to work out guidelines for implementation of these rules.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-80

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointment and/or Reappointment of Chairmen of Departments and Divisions and Director of Center, Leaves of Absence Without Salary, and Emeritus Titles are recommended for approval.*

March 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the February 5, 1982 meeting of the Board, including the following Appointment and/or Reappointment of Chairmen of Departments and Divisions and Director of Center, Leaves of Absence Without Salary, and Emeritus Titles as detailed in the University Budget, be approved.

Appointment and/or Reappointment of Chairmen of Departments and Divisions and Director of Center

January 1, 1982 through June 30, 1982

Medicinal Chemistry and Pharmacognosy      \*Duane D. Miller

January 1, 1982 through June 30, 1985

General Studies (ATI)      Clyde Edward Oplinger

March 5, 1982 through June 30, 1985

Judiac and Near Eastern Languages  
and Literatures      Frederic J. Cadora

July 1, 1982 through June 30, 1983

History of Art      Howard Crane

July 1, 1982 through June 30, 1986

Mathematics      Alan C. Wood

October 1, 1982 through June 30, 1984

Slavic and East European Languages  
and Literatures      Leon Twarog

October 1, 1982 through June 30, 1986

Division of Comparative Studies  
in the Humanities      Marilyn Waldman  
Center for Medieval and  
Renaissance Studies      Joseph Lynch

\* Acting Chairman

Leaves of Absence Without Salary

WILLIAM H. HALVERSON, Associate Dean, University College - Administration, effective May 1, 1982 through August 31, 1982, for personal reasons.



March 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Leaves of Absence Without Salary (contd)

P. JOHN KOZYRIS, Professor, College of Law, effective October 1, 1982 through December 31, 1982, to accept a visiting professor appointment at the University of Hawaii.

MICHAEL J. PERRY, Professor, College of Law, effective October 1, 1982 through June 30, 1983, to accept a visiting faculty position at Northwestern University.

MORGAN E. SHIPMAN, Professor, College of Law, effective October 1, 1982 through December 31, 1982, to accept a visiting professor appointment at the University of California at Berkeley.

DOUGLAS J. WHALEY, Professor, College of Law, effective October 1, 1982 through June 30, 1983, to accept a visiting faculty position at Hastings College of Law of the University of California system.

ANNE MORGANSTERN, Associate Professor, Department of History of Art, effective October 1, 1982 through June 30, 1983, to accompany her husband during his Professional Improvement Leave.

FRANK K. UPHAM, Associate Professor, College of Law, effective October 1, 1982 through June 30, 1983, to accept a position at Boston College and a half-time assignment to work under a foundation grant on Japanese-American legal relations.

HAIKADY NAGARAJA, Assistant Professor, Department of Statistics, effective October 1, 1981 through March 31, 1982, for personal reasons.

CATHERINE R. HOWARD, Instructor, Cooperative Extension Service, effective January 15, 1982 through February 14, 1982, for medical reasons.

JANE MARIE MCMASTER, Instructor, University Libraries, effective February 8, 1982 through August 9, 1982, for personal reasons.

Emeritus Titles

MORGAN L. ALLISON, College of Dentistry (Oral Surgery), with the title Professor Emeritus, effective February 1, 1982.

HANS J. ZASSENHAUS, Department of Mathematics, with the title Professor Emeritus, effective April 1, 1982.

JOHN RICHARD BLUFF, College of Dentistry (Crown and Bridge), with the title Associate Professor Emeritus, effective January 1, 1982.

March 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Emeritus Titles (contd)**

**WILLIAM E. ASHLEMAN**, College of Dentistry (Periodontics), with the title Assistant Professor Emeritus, effective January 1, 1982.

**W. WALLACE STOVER**, Academic Faculty of Special Services, with the title Instructor Emeritus, effective February 1, 1982.

Upon motion of Mr. Smith, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-81

*Synopsis: The reports on contracts, grants, and gifts and the summary for January are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

**NOW THEREFORE**

**BE IT RESOLVED**, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of January 1982 be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR JANUARY 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	50	\$3,251,992.00
Engineering Experiment Station	31	381,569.00
		\$3,633,561.00

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JANUARY 1982 (contd)**

The Ohio State University Development Fund

Establishment of Named Funds

The Robert D. Smith Electrical Engineering Fund (Department of Electrical Engineering)	\$87,250.00
The Frank J. Kloenne Memorial Orthopaedic Research Fund (Department of Surgery)	\$25,000.00
The William M. and Frances Smith Junk Endowed Fund (Students residing at Creative Living Housing Facility)	\$15,000.00
Susan D. Holdren Memorial Research Fund (Leukemia research)	\$ 5,000.00

Report from Presidents Club

Members to date	4,535
1982 members: year to date	16
New members - January 1982	16

New Presidents Club Members - January 1982

L. Eugene Arnold	Kathleen M. Litter
James M. Burtch, Jr.	John A. Lott
Michael P. Cloran	Arnold E. Ross
Bernard S. Coleman	Morris Skilken
Harold H. Fry, Jr.	Robert D. Smith
Marvin L. Glassman	Clinton D. Stoner
James T. Irwin	A. Charles Tell
Michael H. Jackson (Mrs. Daniel G.)	Stephen J. Vergamini

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$646,648.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., An Experimental Study of an Ultra-Mobile Vehicle for Off-Road Transportation, Department of Electrical Engineering (R. B. McGhee) and Department of Mechanical Engineering (K. J. Waldron), 1 October 1981 through 30 September 1982. (Project 762945 - New)

\$248,974.00 - Department of Education, National Institute of Education, Washington, D. C., ERIC Information Analysis Center for Science, Mathematics and Environmental Education, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 January 1982 through 31 December 1982. (Project 761083 - Continuation)

\$123,924.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Ceramic Microstructure Development, Department of Ceramic Engineering, (D. W. Readey), 1 November 1981 through 31 October 1982. (Project 762134 - Continuation)

\$95,934.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Molecular Control in Cytochrome C Oxidase, Department of Physiological Chemistry (J. O. Alben), 1 January 1982 through 31 December 1982. (Project 762976 - New)

\$95,258.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Person Perception Processes in Small Groups, Department of Psychology (T. M. Ostrom), 30 December 1981 through 29 December 1982. (Project 762498 - Continuation)

\$89,269.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Non-Nitrogen Containing Dopamine Agonists, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 December 1981 through 30 November 1982. (Project 762967 - New)

\$82,047.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Regulation of Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 January 1982 through 31 December 1982. (Project 760578 - Continuation)

\$79,353.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Oxidation Resistance and Magnetic and Mechanical Properties of Fe, Si, Al Alloys, Department of Metallurgical Engineering (G. W. Powell), 1 October 1981 through 30 September 1982. (Project 762438 - Continuation)

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$69,989.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Analysis of Airborne Antenna Patterns, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 March 1982 through 1 March 1983. (Project 761012 - Continuation)

\$59,347.00 - Department of the Air Force, Electronic Systems Division (Air Force Systems Command), Hanscom Air Force Base, Massachusetts, Low RCS SATCOM Antennas, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 February 1982 through 31 July 1982 (Project 762949 - New)

\$59,000.00 - National Science Foundation, Washington, D. C., Superfluid Turbulence, Department of Physics (J. T. Tough), 1 March 1982 through 28 February 1983. (Project 762023 - Continuation)

\$36,683.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Biochemistry of Inhibitors of Estrogen Biosynthesis, College of Pharmacy (R. W. Brueggemeier), 1 January 1982 through 31 December 1982. (Project 762520 - Continuation)

\$35,691.00 - Department of the Navy, Naval Coastal Systems Center, Panama City, Florida, T-Matrix Approach to Acoustic Wave Scattering by Obstacles in the Presence of Nearby Boundaries, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 February 1982 through 31 January 1983. (Project 762980 - New)

\$33,824.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, On-Board Portable Data Acquisition and Processing for Vehicle Testing, Department of Electrical Engineering (H. Hemami), 1 January 1982 through 30 September 1982. (Project 762979 - Continuation)

\$32,000.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., Ultrasonic Methods to Study Shadow Boundaries of Diffracting Cracks, Department of Welding Engineering (L. Adler), 1 October 1981 through 31 December 1982. (Project 762638 - Continuation)

\$26,253.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Develop a Communications Office and Cancer Information Center, Cancer Research Center (D. S. Yohn), 16 November 1981 through 31 January 1982. (Project 761352 - Continuation)

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$21,450.00 - National Science Foundation, Washington, D. C., Combinatorial Problems and Their Applications, Department of Mathematics (D. K. Ray-Chaudhuri), 1 July 1982 through 30 June 1983. (Project 762779 - Continuation)

\$20,966.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Environmental and Genetic Effects on Gravity Receptors: A Morphological, Physiological and Behavioral Study, Department of Otolaryngology (D. J. Lim), 1 January 1982 through 30 June 1982. (Project 760657 - Continuation)

\$16,440.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Chemical Studies on Diabetic Neuropathy: Be Wistar Rat, Department of Pathology (A. J. Yates), 1 December 1981 through 30 November 1982. (Project 762966 - New)

\$15,000.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and The University of Sao Paulo, Brazil, International Program in Agriculture (H. D. Bauman), 1 January 1982 through 31 August 1982. (Project 762420 - Continuation)

\$10,960.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 December 1981 through 31 August 1982. (Project 760043 - Continuation)

\$9,069.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Supplemental Funds Program for Cooperative Education, College of Arts and Sciences - Administration, Office of Academic Affairs, and College of Engineering - Administration (M. L. Smith), 1 October 1981 through 30 September 1982. (Project 762977 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$1,908,079.00**

**State of Ohio Research Contracts/Grants**

\$165,316.00 - State of Ohio, Department of Health, Columbus, Ohio, Care of the High Risk Mother and Infant, Department of Pediatrics (L. Cordero), 1 October 1981 through 30 September 1982. (Project 764100 - Continuation)

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$72,000.00 - State of Ohio, Department of Commerce, Division of Real Estate, Columbus, Ohio, Center for Real Estate Education and Research, College of Administrative Science - Administration, Center for Real Estate Education and Research (R. L. Racster), 1 January 1982 through 15 December 1982. (Project 762738 - Continuation)

\$12,896.25 - State of Ohio, Department of Health, Columbus, Ohio, The OSU Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. Zuspan), 1 January 1982 through 28 February 1982. (Project 762533 - Continuation)

\$3,572.00 - State of Ohio, Department of Health, Columbus, Ohio, The OSU Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. Kim), 1 January 1982 through 28 February 1982. (Project 762534 - Continuation)

\$2,965.00 - State of Ohio, Department of Mental Health, Office of Program Evaluation and Research, Columbus, Ohio, The Psychosocial Adjustment of Parents Following the Death of a Child, Department of Sociology (L. W. Richardson and J. A. Cook), 1 December 1981 through 30 June 1982. (Project 762965 - New)

\$1,763.00 - State of Ohio, Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio, Visitor Perceptions of the Recreational Sensitivity of Natural Areas, School of Natural Resources (J. L. Heywood), 1 January 1982 through 28 February 1983. (Project 762971 - New)

\$1,560.00 - State of Ohio, Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio, A Comparison of Characteristics of Visitors to Central Ohio Nature Resource Areas, School of Natural Resources (G. W. Mullins), 1 January 1982 through 31 January 1983. (Project 762972 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 260,072.25**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$326,870.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 31 December 1982. (Project 760982 - Continuation)

\$253,632.00 - Various Pharmaceutical Laboratories, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - New)

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$122,300.00 - World Health Organization, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1981 through 30 June 1982. (Project 760113 - Continuation)

\$100,000.00 - Pfizer, Inc., Groton, Connecticut, Support for Facilities for Performing Clinical Pharmacology Studies, Department of Pharmacology (J. R. Bianchine), 1 October 1981 through 30 September 1982. (Project 760484 - Continuation)

\$74,224.00 - Control Data Corporation, Minneapolis, Minnesota, A Proposal for the Development of a Taxonomy of Instructional Strategies, Academic Faculty of Educational Foundations and Research (K. A. Hall), 1 January 1982 through 31 December 1982. (Project 762969 - Continuation)

\$58,804.75 - State Secretariat of Agriculture, Government of the Dominican Republic, Santo Domingo, Dominican Republic, Professional Training and Improvement Program, International Programs in Agriculture (D. O. Hansen), 1 January 1982 through 31 March 1983. (Project 762643 - Continuation)

\$30,013.00 - Children's Hospital Research Foundation, Columbus, Ohio, Disposition and Infusion Kinetics of Tobramycin in Newborn Infants, College of Pharmacy (J. A. Visconti), 15 January 1982 through 14 January 1983. (Project 762974 - New)

\$16,600.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 October 1981 through 31 January 1982. (Project 762511 - Continuation)

\$15,000.00 - The National Committee, Arts for the Handicapped, Washington, D. C., Arts-of-the-Book Apprenticeship for Moderately Mentally Retarded Learners, Department of Art Education (K. Marantz and R. Tauber), 1 October 1981 through 30 September 1982. (Project 762935 - New)

\$14,440.00 - The Esther A. and Joseph Klingenstein Fund, Inc., New York, New York, Study of the Use of Information and Evaluations in Decision-Making Processes of Hospital Management, School of Allied Medical Professions (S. Strasser), 1 January 1982 through 30 June 1982. (Project 762970 - New)

\$12,917.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Newsletter for the Ohio Coal Research Laboratories Association, Inc., Program for Energy Research Education and Public Service, Graduate School - Administration (R. E. Bailey), 1 November 1981 through 31 October 1982. (Project 762554 - Continuation)



March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$12,000.00 - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1981 through 31 December 1982. (Project 762165 - Continuation)

\$10,771.00 - Boehringer Ingelheim, Ltd., Ridgefield, Connecticut, Analysis of Dipyridamole in Plasma, Department of Veterinary Clinical Sciences (R. Sams), 1 November 1981 through 30 April 1982. (Project 762928 - Continuation)

\$10,653.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Elastic Wave Scattering by Flaws for Application to NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 16 November 1981 through 15 February 1982. (Project 762502 - Continuation)

\$10,000.00 - The Deafness Research Foundation, New York, New York, Hemophilus Influenzae Otitis Media: An Animal Model, Department of Otolaryngology (T. F. DeMaria and D. J. Lim), 1 January 1982 through 31 December 1982. (Project 762545 - Continuation)

\$4,648.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 8 January 1982 through 31 May 1982. (Project 762217 - Continuation)

\$3,024.00 - Chemical Abstracts Service, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. Shulman), 15 December 1981 through 15 March 1982. (Project 762213 - Continuation)

\$2,986.00 - Franklin County Mental Health Board, Columbus, Ohio, Community Worker Project, Nisonger Center (F. A. Benson), 1 November 1981 through 31 December 1981. (Project 762450 - Continuation)

\$2,700.00 - Children's Hospital Research Foundation, Columbus, Ohio, Assays of Morphine in Plasma, College of Pharmacy (R. H. Reuning), 1 January 1982 through 30 June 1982. (Project 762975 - New)

\$2,000.00 - City Colleges of Chicago, Chicago, Illinois, National Alliance of Post-secondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$258.00 - State Research Associates, Lexington, Kentucky, Technical Assistance, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 31 December 1981. (Project 768036 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER  
NON-FEDERAL RESEARCH CONTRACTS/GRANTS                      \$1,083,840.75**

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

Industrial and Other Sponsored Research and Development

\$15,000.00 - American Iron and Steel Institute, Washington, D. C., for Experimental Determination of Combustability--Extension 15, Department of Chemical Engineering, May 1, 1981 through April 30, 1982. (EES 307/532001, Extension No. 15)

\$366,569.00 - 26 sponsors for 30 development projects under the direction of eight engineering departments and research areas.

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT \$381,569.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

- \$251,250.00 William H. Davis for William H. Davis Endowment for Basic Medical Research.
- \$220,000.00 Battelle Memorial Institute Foundation for Battelle Scholars.
- \$182,360.00 John Geupel for John C. Geupel Fund in Civil Engineering.
- \$100,000.00 Kaplan Halpert Foundation for Jack M. George Fund.
- \$100,000.00 Samuel Melton for Melton Library.
- \$ 65,412.15 C. Barber for undesignated purposes.
- \$ 60,500.00 Ross Laboratories--\$53,000.00 for Tumor Immunology Program; \$7,500.00 for Abbott Labs - Notari.
- \$ 50,000.00 James Casto for Field House Track Fund.
- \$ 49,780.00 Berkeley Bio-Med, Inc., for Abramowitz Professorship.
- \$ 46,604.20 Louise Scott--\$34,953.15 for William Craig and Mary Black Orr Scholarship in Medicine; \$11,651.05 for William Craig and Mary Black Orr Scholarship in Pharmacy.
- \$ 45,000.00 Florence Johnson for Reese Arthritis Research Fund.
- \$ 42,927.00 John Gerlach for Presidents Club Special Fund.
- \$ 40,000.00 Public Welfare Foundation for Reese Arthritis Research Fund.

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 31,500.00 Edward C. and Hazel L. Stephenson Foundation for Edward C. and Hazel L. Stephenson Fund.
- \$ 30,000.00 Mideast United Dairy Industry--\$15,000.00 for T. Kline Hamilton Award; \$15,000.00 for Earl B. Poling Graduate Research Fellowship in Agricultural Economics.
- \$ 30,000.00 R & A Shafer Foundation for Student Grant-in-Aid Fund.
- \$ 27,478.00 Charles F. High Foundation for Charles F. High Foundation Scholarship Fund.
- \$ 25,988.84 Systems Associates for Cardiology Support Fund.
- \$ 25,000.00 Atlanta Rich Foundation for Geology Support Fund.
- \$ 25,000.00 Capitol Corporation for LeFevre Scholarship Fund.
- \$ 25,000.00 Cleveland Institute Electronics for Newton D. Baker Memorial Scholarship Fund.
- \$ 25,000.00 Diamond Shamrock for Professorship in Plant Protection.
- \$ 25,000.00 John Drinko for Newton D. Baker Memorial Scholarship Fund.
- \$ 25,000.00 Duphar Labs for Clinical Pharmacology Fund.
- \$ 24,426.36 University Eye Surgeons, Inc., for Eye Bank Fund.
- \$ 24,225.00 Susan Cullman for Cullman Symposium Fund.
- \$ 22,833.00 Columbus Bell Laboratories--\$10,000.00 for Computer Information Science; \$10,000.00 for Electrical Engineering; \$2,833.00 for Engineering Administration.
- \$ 22,262.50 Gerlach Foundation for Presidents Club Special Fund.
- \$ 21,875.35 Retinal Consultants, Inc.--\$19,739.68 for Retina Research Fund; \$2,135.67 for Ophthalmology Photographic Fund.
- \$ 21,200.00 Patrick Vaccaro for Surgery Research and Education.
- \$ 21,000.00 AmeriTrust for Templeton Medical Research Foundation Fund.
- \$ 20,912.50 John Nordholt for Nordholt Professorship in Engineering.

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 20,500.00 Bryan Hartley--\$10,500.00 for Woody and Anne Hayes Scholarship Fund; \$10,000.00 for Athletic Grant-in-Aid.
- \$ 20,000.00 W. Lipold for Presidents Club Special Fund.
- \$ 20,000.00 Mildred Miller for unrestricted purposes.
- \$ 20,000.00 TRW Foundation--\$10,000.00 for Advance Design Lab in Mechanical Engineering; \$10,000.00 for Industrial Systems Engineering Campaign.
- \$ 19,815.67 Oncology, Inc., for Cancer Research Fund.
- \$ 18,992.70 James Nordholt for Nordholt Professorship-Engineering.
- \$ 17,408.75 Ruth Wilson for Wilson Professorship in Cardiology.
- \$ 16,650.00 Maurice W. Neidigh for Maurice W. Neidigh Scholarship Fund.
- \$ 15,370.00 Glenbrook Laboratories for Reye's Syndrome Fund.
- \$ 15,000.00 Daniel Amstutz--\$10,000.00 for Presidents Club Special Fund; \$3,000.00 for Sphinx; \$2,000.00 for Athlete Grant-in-Aid Fund.
- \$ 15,000.00 Donald Herr for Presidents Club Special Fund.
- \$ 15,000.00 Mead Johnson & Company for Cardiovascular Research Fund.
- \$ 15,000.00 Katherine Parrett for Katherine Parrett Fund.
- \$ 14,619.00 Mrs. Joseph Platt for Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law Fund.
- \$ 13,927.51 Charles Sinsabaugh for Presidents Club Special Fund.
- \$ 12,500.00 Vesuvius Crucible for Engineering Evaluation Program.
- \$ 12,000.00 John Lott for John A. Lott Research Fund.
- \$ 10,875.00 National Action Minority Engineering, Inc., for Affirmative Action - Engineering.
- \$ 10,518.45 Mildred Pritz for undesignated purposes.

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 10,095.00 Ernst & Whinney Foundation for Ernst & Whinney Accounting Grant.
- \$ 10,075.00 Elizabeth Carruthers for Carruthers Educational Fund.
- \$ 10,000.00 Alcoa Foundation for Affirmative Action--Engineering.
- \$ 10,000.00 Louis and Dorothy Cullman Foundation for Cullman Symposium Fund.
- \$ 10,000.00 Eaton Corporation for Advanced Design Laboratory.
- \$ 10,000.00 Founder's Trust for Newton D. Baker Memorial Scholarship Fund.
- \$ 10,000.00 Pulmonary Association for Pulmonary/Whitcomb Fund.
- \$ 10,000.00 Howard Webb for Orthodontia Library.
- \$ 10,000.00 David Westwater for Appalachian Project.
- \$ 10,000.00 Howard Winbigler for undesignated purposes.
- \$ 9,773.00 Ida Topper for Isadore Topper Fund.
- \$ 9,100.00 G. D. Searle and Company for Gastrointestinal Research.
- \$ 9,094.28 Garfield Memorial Church for Alec Parsons Scholarship.
- \$ 9,000.00 Dow Chemical Company--\$6,000.00 for Dow Research Fellowship; \$3,000.00 for Chemistry--Dow Research Fund.
- \$ 8,500.00 Cincinnati Milacron for Cincinnati Milacron Foundation.
- \$ 8,296.38 Melvin Moffitt for M. C. Moffitt Memorial Fund.
- \$ 8,000.00 Exxon Education Foundation--\$4,000.00 for Administrative Science Special Fund; \$4,000.00 for Geology Support Fund.
- \$ 8,000.00 George F. Lonz Foundation for George Lonz Foundation Fund.
- \$ 8,000.00 Porthouse Trust No. 1--\$5,000.00 for College of Engineering Special Fund; \$3,000.00 for Fontana Professorship.
- \$ 7,689.15 Harry Brakeman for Brakeman Memorial.

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$ 7,435.20 Ives Laboratories, Inc., for Cardiovascular--Pharmacy.
- \$ 7,037.50 Mary Wise for Fontana Professorship.
- \$ 7,000.00 Central Ohio Center for Economic Education for Economic Education Fund.
- \$ 7,000.00 Chevron USA, Inc., for Chevron Fellowship.
- \$ 7,000.00 Richard Falter--\$5,600.00 for Animal Science Special Fund; \$1,400.00 for Ophthalmology Teaching Fund.
- \$ 6,857.81 William Havener for Ophthalmology Teaching Fund.
- \$ 6,040.00 Nationwide Insurance for WOSU Support Fund.
- \$ 5,840.00 Antique Show and Sale for Presidents Club Special Fund.
- \$ 5,286.13 William Buente for Medicine Progress.
- \$ 5,250.00 Kibble Foundation for Kibble Foundation Scholarship.
- \$ 5,000.00 Gerald Allen for O'Neill Professorship in Law.
- \$ 5,000.00 Helen Allison for Dr. F. M. Beman Fund.
- \$ 5,000.00 BancOhio--\$2,500.00 for Administrative Science Special Fund; \$2,500.00 for Athlete Grant-in-Aid.
- \$ 5,000.00 Cleveland Electric Illuminating Company for Ohio Electric Utility Institute Fellowship Fund.
- \$ 5,000.00 Ford Motor Company Fund for Corporate Associates Fund.
- \$ 5,000.00 Albert and Margaret Gehres for Ohio 4-H Foundation.
- \$ 5,000.00 Ray Groves--\$2,000.00 for Administrative Science Special Fund; \$2,000.00 for Ernst and Whinney Accounting Fund; \$1,000.00 for Athletic Grant-in-Aid.
- \$ 5,000.00 Stanley Joehlin for Presidents Club Special Fund.
- \$ 5,000.00 Walter Kidd--\$2,500.00 for Architecture Division Fund; \$2,500.00 for National Merit Scholarship Fund.

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 5,000.00 Landmark, Inc., for Professorship in Plant Protection.
- \$ 5,000.00 Allan McFarland for Student Athlete Grant-in-Aid Program.
- \$ 5,000.00 Midland Mutual Insurance for WOSU Support Fund.
- \$ 5,000.00 James Mills for Dentistry Advancement Endowment Fund.
- \$ 5,000.00 Owen Pyle for Mars Fontana Fund.
- \$ 5,000.00 Robert Swan for Rapid Adjustment Program.
- \$ 5,000.00 TRW, Inc., for ElectroScience Laboratory.

Gifts-in-Kind

- |              |                                 |                                    |
|--------------|---------------------------------|------------------------------------|
| \$ 63,000.00 | OSU Gamma Alpha Association     | Property at 95 East Twelfth Avenue |
| \$ 52,850.00 | Jack Howell                     | Six standardbred horses            |
| \$ 40,200.00 | Mr. and Mrs. Gene Sands         | Six Arabian horses                 |
| \$ 37,666.67 | Conard and Nancy Stitzlein      | Fifteen polled Hereford animals    |
| \$ 33,257.48 | Charles Triplehorn              | Collection of beetles              |
| \$ 27,500.00 | Ralph Cobey                     | Two quarter horses                 |
| \$ 24,000.00 | Fred Johnson                    | Fifteen Angus cows                 |
| \$ 15,000.00 | Mansfield University Foundation | 1.82 acres of land                 |
| \$ 13,627.50 | Leon Twarog                     | 502 books                          |
| \$ 12,500.00 | Gary Wade                       | Quarter horse stallion             |
| \$ 11,000.00 | Brent Welch                     | Eight-year-old gelding             |
| \$ 8,419.00  | Lloyd Parks                     | 120 pieces of sterling silver      |

March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Robert D. Smith Electrical Engineering Fund**

The Robert D. Smith Electrical Engineering Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Robert D. Smith, B.S.E.E. '51 and M.S. '51, of Upland, California.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used for those purposes which will aid the research, teaching and service programs/facilities within the Department of Electrical Engineering in the College of Engineering. The Chairman of the Department of Electrical Engineering is authorized to invade the principal amount of the endowment if necessary. The Chairman of the Electrical Engineering Department will have sole authority to authorize expenditures from the Fund, as approved by the Dean of the College of Engineering.

Should the need for this Fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for electrical engineering education.

**The Frank J. Kloenne Memorial Orthopaedic Research Fund**

The Frank J. Kloenne Memorial Orthopaedic Research Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mrs. Jacqueline Kay Kloenne in memory of her husband, Frank J. Kloenne, of Dublin, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for orthopaedic research within the Division of Orthopaedic Surgery, Department of Surgery, College of Medicine. The Chairman of the Division of Orthopaedic Surgery, the Chairman of the Department of Surgery, and the Dean of the College of Medicine will have sole authority to authorize expenditures from the Fund.

Should the need for this Fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for orthopaedic research.



March 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The William M. and Frances Smith Junk Endowed Fund**

The William M. and Frances Smith Junk Endowed Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from William M. and Frances Smith Junk of Washington Court House, Ohio.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded to a physically disabled student enrolled at The Ohio State University and residing at the Creative Living Housing Facility, 445 West 8th Avenue, Columbus, Ohio. Recipients will be determined by the University Committee for Student Financial Aids and the University Office for Disability Services. Preference should be given to a student with demonstrated academic ability and with the greatest financial need.

If Creative Living, Inc., should cease to exist, the income may be awarded to any physically disabled student enrolled at The Ohio State University. Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official from Student Financial Aids and the Office for Disability Services.

**Susan D. Holdren Memorial Research Fund**

The Susan D. Holdren Memorial Research Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with gifts from her family and friends.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

Income from the fund must be used to support and advance Leukemia Research in the College of Medicine, Division of Hematology at The Ohio State University.

Should the need for these funds cease to exist, then the income may be used for any type of cancer research with preference being given to the recommendations of the Director of the Division of Hematology who is responsible for Leukemia Research.

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March 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-82

**NEIL HALL, FIRE EXIT RENOVATIONS**

*Synopsis: Authorization to employ an architectural/engineering firm and request for construction bids is proposed.*

WHEREAS extensive investigations and engineering studies have revealed and confirmed numerous exit problems existing at Neil Hall; and

WHEREAS this project will provide for fire exit improvements for safety for the occupants of this area; and

WHEREAS \$120,000 has been provided by Residence and Dining Halls for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received to recommend to the Department of Administrative Services, Division of Public Works, the award of contract, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-83

*Synopsis: A contract has been awarded for the project listed below to the lowest and best bidder in accordance with University procedures.*

WHEREAS a resolution adopted by the Board of Trustees at a previous meeting authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of a contract for the following project:

March 5, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

**FAWCETT CENTER FOR TOMORROW, INSTALLATION OF SMOKE DETECTORS**

Description: Provide smoke detectors for individual guest rooms, office and meeting room areas, and provide smoke detectors in elevator lobby areas to operate the elevators in the hotel section of Fawcett Center for Tomorrow.

Electrical Contract

Date Received:	January 12, 1982
No. of Bids:	4
Low Bid:	\$100,835.00* **
High Bid:	\$131,747.00*
Estimate of Cost:	\$103,000.00*
Awarded to:	Frush & Homan, Inc., Columbus, Ohio**
Total Contract:	\$100,835.00**
Total Contingency Allowance:	\$ 1,383.52 which is 1 per cent of construction contract
Total Project Cost:	\$111,711.00
Funding:	Budget Account 885164

\* Recommended Alternates reflected in these figures.

\*\*The low bid of \$75,825.00 submitted by Efficiency Systems, Inc., was not accepted by reason of their bid qualification to the effect that not all of the components comply with the specifications requiring UL labeling. Therefore, contract is being awarded to the second lowest bidder, Frush & Homan, Inc., in the amount of \$100,835.00.

**NOW THEREFORE**

**BE IT RESOLVED**, That pursuant to the actions previously authorized by the Board, the award of a contract and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

Upon motion of Mr. Berry, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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March 5, 1982 meeting, Board of Trustees

**ACCEPTANCE OF THE GIFT OF PROPERTY  
202 ACRES IN PLEASANT TOWNSHIP (KAGAY FARM)**

Resolution No. 82-84

*Synopsis: Acceptance of a farm of approximately 202 acres in Pleasant Township, Franklin County, Ohio, and establishment of an income-only unitrust are proposed.*

WHEREAS Edmund M. Kagay, who is the owner of a 202.729-acre farm at 3955 Georgesville-Wrightsville Road, Grove City, Ohio, wishes to make a gift of this property to the University, through the Development Fund, subject to assumption by the University of the mortgages on the property; and

WHEREAS a condition of this gift by Mr. Kagay is the establishment of an income-only unitrust under which the University will pay to Mr. Kagay an annuity, for so long as he shall live, of seven percent of the net amount realized from the sale of the property; and

WHEREAS it has been determined that the acceptance of this gift and the establishment of the income-only unitrust are in the best interests of the University:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to acquire title to the property in the name of the Board of Trustees of The Ohio State University and to sign and execute on behalf of the Board of Trustees the documents and instruments necessary to carry out the conditions of this gift.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**STUDENT HEALTH INSURANCE**

Resolution No. 82-85

*Synopsis: Revision and renewal of the Student Health Insurance Program with Mutual of Omaha is recommended.*

WHEREAS on March 7, 1980, this Board awarded a two-year renegotiated contract (effective Autumn Quarter 1980) to provide Student Health Insurance; and

WHEREAS after consideration of the desires and concerns of the students who purchase the insurance, the Student Insurance Subcommittee has recommended--and the full Council on Student Affairs has ratified this recommendation--that the renegotiated contract provide improved benefits as follows:

March 5, 1982 meeting, Board of Trustees

**STUDENT HEALTH INSURANCE (contd)**

Increase the daily semi-private hospital maximum room rate from \$100 to \$145.

Increase the University Student Health Service outpatient benefit from \$100 to \$150.

WHEREAS the coverage will be available on an optional basis to all registered students at the following quarterly premium schedule:

Classification	Quarterly Premium Rates
Student	\$ 40
Student and spouse	109
Student, spouse and all children	156
Student and all children	87

NOW THEREFORE

BE IT RESOLVED, That Mutual of Omaha be awarded the renegotiated Student Health Insurance contract effective the first day of classes, Autumn Quarter, 1982, for a period of two years. The contract will provide the benefit improvements as outlined above as well as those now available under the terms of the current contract.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-86

RESOLVED, That the report on the University's Investment Portfolio, dated February 19, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**APPOINTMENT OF NOMINATING COMMITTEE**

Mr. Devenow announced the appointment of the following persons to the Nominating Committee:

D. James Hilliker, Chairman  
John F. Havens  
Leonard J. Immke

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March 5, 1982 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, April 2, 1982, at The Ohio State University Lima Campus, Lima, Ohio, at 10:30 a.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

APPENDIX III  
Degrees Conferred at  
THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION  
March 19, 1982

## Commencement Speaker

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### Daryle H. Busch

Daryle H. Busch, professor of chemistry, has been a faculty member since receiving his Ph.D. from the University of Illinois in 1954. He specializes in transition metal and bio-inorganic chemistry and has recently done ground-breaking work in synthetic iron chemistry. In 1980, he was honored as an outstanding teacher with the University's Alumni Award for Distinguished Teaching, and in 1981 received the Distinguished Research Award. His numerous other awards include the 1978 Dwyer Medal of the Chemical Society of New South Wales, Australia, and he is one of only three people to receive both of the American Chemical Society's awards in inorganic chemistry. He was elected a fellow of the American Association for the Advancement of Science in 1980 and currently serves on the editorial boards of several chemistry journals.

The University is proud to have so distinguished a faculty member address the graduates of the 279th Commencement.





## Recipients of Honors

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### **W. Edwards Deming** Doctor of Science

In an era marked by increasing complexity, Dr. W. Edwards Deming is one of a handful of people who have made it possible for business, industry, and government to manage the tasks of industrial societies effectively. A highly sought-after and eminent statistician, Dr. Deming is known throughout the world for his contributions to the creation and use of statistics. His work in statistics helped make possible the United States' rapid mobilization during World War II as well as Japan's miraculous recovery in the post-war period. Japan has recognized his contribution to its remarkable economic growth by striking a medal in his honor. The W. Edwards Deming Medal is awarded to the company which has made the most significant advances in productivity and product quality. Dr. Deming has served as a consultant to many foreign governments and the United Nations and has lectured at universities in Europe and South America. Committed to a more productive and humane workplace, he has helped make possible higher living standards for people around the globe. The University is privileged to honor Dr. Deming for his pioneering work in statistics.

### **Ferdinand Fairfax Stone** Doctor of Humane Letters

Ohio State has a long tradition of academic excellence. This tradition is best demonstrated by its graduates and the contributions they have made to society and their professions. Ferdinand Stone is a shining example of this tradition. Dr. Stone is an internationally recognized authority on comparative law and the only living Rhodes Scholar from The Ohio State University. After completing his B.A. in English and his M.A. in political science at Ohio State, he attended Oxford in 1931 and from there went on to receive his doctoral degree in juristic science from Yale University. Awarded an honorary degree from the University of Grenoble by Charles DeGaulle, he was also named an honorary officer in the "Most Excellent Order of the British Empire" by Queen Elizabeth II. Dr. Stone has lectured at universities throughout Europe, authored four books—including the first textbook in French on American law—and has written over forty scholarly articles and other publications. The founder and first director of Tulane University's Institute of Comparative Law, he was Scholar in Residence at Tulane's Law School, where he taught for over forty years before retiring in 1979. Today, the University takes great pride in honoring one of its most distinguished graduates for his contributions to jurisprudence and comparative law.

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**Barbara W. Tuchman**

Doctor of Humane Letters (presented  
in absentia)

The most widely known and generally respected non-academic historian in the United States, Barbara Tuchman has brought the drama, experience, and value of history to a wide audience. An internationally recognized writer, journalist, and advocate of humanistic values, Mrs. Tuchman is a living tribute to the value of a liberal education. She received her B.A. degree from Radcliffe College in 1933 and went on to pursue a journalistic and literary career. A prolific and versatile author, she has written nine books including two Pulitzer Prize winners, *The Guns of August* and *Stilwell and the American Experience in China, 1911-1945*. Over the last two and a half decades she has contributed regularly to a number of leading journals of opinion, including *American Heritage*, *Atlantic Monthly*, *Harper's*, and *the Nation*. Her articles, like her books, vary in subject matter, from medieval history to contemporary politics and culture. Mrs. Tuchman has long been a leader in American arts and letters and is a member of the Authors League of America and the Society of American Historians. She is a former president of the American Institute and Academy of Arts and Letters and a recipient of its prized Gold Medal. In bestowing this honor on Mrs. Tuchman, the University seeks to recognize and thank her for her many contributions to the arts and humanities.

**Robert C. Ringer**

Distinguished Service Award

For 35 years Robert C. Ringer provided a compassionate ear and a helping hand to the faculty and staff of this University. Many can recall his leadership of the University's Payroll Office. For nearly 20 years he guided it through periods of great growth and technical and administrative changes. Later, as a special assistant to the Vice President for Personnel Services, he continued to strive to improve the quality of an Ohio State University career. Instrumental in developing the Retirement Affairs section of Personnel Services, he added the personal touch to a program designed to help faculty and staff plan and process their retirements. On behalf of the many he has touched in such a positive and caring manner, his alma mater expresses its gratitude for a job well done.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Musical Arts

William Augustus Mayson, Jr., Chillicothe; Mus.B., M.M.E. (Oberlin College); *Music*; Dr. Richard E. Burkart

Beverly Jean Vaughn, Columbus; B.A. (Loma Linda University); M.Mus.; *Music*; Dr. Mario Alch

## Doctor of Philosophy

Lorenzo Aguilar, Mexico City, D. F., Mexico; Matemático (Universidad Nacional Autónoma de México); M.S.; *Computer and Information Science*; Dr. Bruce W. Weide

Nahad Walliizziz Al-Khalidi, As-Sodyah Dialoh, Iraq; B. Vet. Med. S. (University of Baghdad); M.S.; *Veterinary Pathobiology*; Dr. Omar O. Barriga

Monte Richard Anderson, Carbondale, Ill.; B.S., M.S. (Southern Illinois University); *Agricultural Education*; Dr. Larry E. Müller

Robert Michael Andryscio, Parma; B.S. (Ashland College); M.S.; *Interdisciplinary: Psychology, Veterinary Preventive Medicine, and Psychiatry*; Dr. Samuel A. Corson

Ghazi Rifat Audeh, Toronto, Ontario, Canada; B.S. (Calro University); M.A.; *Education*; Dr. Robert W. Howe

Babiker Idris Babiker, Khartoum, Khartoum Sudan; B.S. (University of Khartoum); M.Phil. (University of Reading); *Agricultural Economics and Rural Sociology*; Dr. Donald W. Larson

Erdogan Bilik, Istanbul, Turkey; B.B.A. (Academy of Economics and Commercial Science); M.B.A. (University of Southern Mississippi); *Business Administration*; Dr. Andrew H. Chen

John Boulmetis, North Kingstown, R. I.; B.A., M.A. (University of Rhode Island); *Education*; Dr. David L. Boggs

Edward John Bradel, Sewickley, Pa.; B.S. (Otterbein College); M.S.; *Physiology*; Dr. Margaret T. Nishikawara

Silvana Beatriz Brianceschi, Mansfield; B.A. (Smith College); *Physiology*; Dr. John J. Curry, III

Barry John Brinkman, Worthington; B.S. (University of Notre Dame); M.S.; *Computer and Information Science*; Dr. Anthony E. Petrarca

George Lawrence Carr, Columbus; B.S. (Rensselaer Polytechnic Institute); *Physics*; Dr. David B. Tanner

Mark Steven Charnews, Southold, N. Y.; B.A., M.A. (State University of New York at Buffalo); *Geography*; Dr. Howard L. Gauthier, Jr.

Kent Leon Chasey, Wichita, Kans.; B.S., M.S. (Wichita State University); *Chemistry*; Dr. Leo A. Paquette

Kuang-Chung Chen, Taipei, Taiwan, R.O.C.; B.B.A. (National Taiwan University); M.B.A.; *Business Administration*; Dr. Andrew H. Chen

Chao-Fu Jehok Chien, Taichung, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S. (Northeast Louisiana University); *Chemistry*; Dr. Richard J. Laub

Godwin Ositadinma Chukwuma, Oko, Aguata L.G.A., Anambra, Nigeria; B.Sc. (University of Nigeria); M.S.; *Agricultural Engineering*; Dr. Glenn O. Schwab

Chen Hua Chung, Hsingtang Changchi Pingtang, Taiwan, R.O.C.; B.A. in Commerce (National Taiwan University); M.B.A. (Northwestern State University); *Business Administration*; Dr. Lee J. Krajewski

Rhys Gordon Daniels, Alliance; B.S. (University of Cincinnati); *Chemistry*; Dr. Leo A. Paquette

Nancy Lynne Dare, Murray Hill, N. J.; B.A. (Marietta College); M.A.; *Education*; Dr. Judy L. Genshaft

Nancy Carol DeWandel, Columbus; B.A., M.A. (Brown University); *Classics*; Dr. John W. Vaughn

Adriano Romariz Duarte, Sao Paulo, Brazil; B.S. (University of Sao Paulo); M.A. (University of Sao Paulo); *Agricultural Economics and Rural Sociology*; Dr. Douglas H. Graham

Paul Arlen Forshey, Caldwell; B.S. (Muskingum College); M.S.; *Chemistry*; Dr. Theodore Kuwana

Jocelyn Kaye Fuller, Xenia; B.S. Ed. (Miami University); M.A.; *Education*; Dr. Donald J. Tosi

Michael Edward Gaffney, North Madison; B.S. (United States Merchant Marine Academy); M.A. (The New School for Social Research); *Anthropology*; Dr. Daniel T. Hughes

Peter Wilmer Gallagher, Columbus; B.S., M.S. (University of Wisconsin); *Horticulture*; Dr. T. Davis Sydnor

Donald Mark Gardner, Jr., LaGrange; B.S. Agriculture, M.S. (University of Tennessee); *Plant Pathology*; Dr. A. F. Schmittener

John Edward Garen, Alderwood Manor, Wash.; B.A. (University of Washington); M.A.; *Economics*; Dr. Donald O. Parsons

Gediminas Gasperas, Chicago, Ill.; B.S. (Illinois Institute of Technology); M.S. (University of Michigan); *Aeronautical and Astronautical Engineering*; Dr. Stuart L. Petrie

Stephen Marshall Gendler, Detroit, Mich.; B.S. (Michigan State University); *Pathology*; Dr. Keith E. Richardson

Amy Herstein Gervasio, San Francisco, Calif.; B.A. (University of California); M.A.; *Psychology*; Dr. Andrew I. Schwebel

Douglas Jay Gilbert, Bronx, N. Y.; B.A. (State University of New York at Buffalo); M.A. (Central Michigan University); M.A.; *Communication*; Dr. Sheila M. Goff

Timothy Lee Glaros, Worthington; B.S., M.S.; *Horticulture*; Dr. Wilbur A. Gould

Robert Glenn Goodwin, Omaha, Neb.; B.S. (University of Nebraska); M.S. (University of Wisconsin); *Geology and Mineralogy*; Dr. Garry D. McKenzie

James Lee Green, Fairfield; B.S., M.A.; *Education*; Dr. Robert B. Sutton

James S. Greene, III; B.S. (University of Wisconsin); M.S. (Union College); *Education*; Dr. John C. Belland

Gary David Grothaus, Dayton; B.S., M.S.; *Microbiology*; Dr. Julius P. Kreier

Dagmar Guardiola, Guanyanabo, Puerto Rico; B.A., M.S.W. (University of Puerto Rico); *Social Work*; Dr. Thomas M. Meenaghan

Thomas Johnson Hall, Wooster; B.S. (State University of New York College of Environmental Science and Forestry at Syracuse); M.S.; *Plant Pathology*; Dr. Curt Leben

John Hannah, Dunedin, New Zealand; B.S., Diploma Science (University of Otago); M.S.; *Geodetic Science*; Dr. Ivan I. Mueller

Anabelle Lee Tinsley Hansen, Delaware; B.A. (Washington State University); M.Ed. (University of Alaska); *Education*; Dr. Robert E. Taylor

- Vincent Christian Henrich, Vandalia; B.Sc. (University of Notre Dame); M.S.; *Genetics*; Dr. David E. Deninger and Dr. Walter Rothenburler
- Michael Lee Hoke, Columbus; B.S. (Wright State University); *Physics*; Dr. John H. Shaw
- Garrett Arthur Jacobsen, Willingboro, N. J.; B.A. (Franklin and Marshall College); M.A.; *Classics*; Dr. John T. Davis
- Janina Mae Jolley, Torrance, Calif.; B.A. (California State University at Dominguez Hills); M.A.; *Psychology*; Dr. John E. Horrocks
- Jannie Jones, Huntsville, Ala.; B.S., M.Ed. (Alabama Agricultural and Mechanical University); *Home Economics*; Dr. Mary Lapsitzky
- Steven Kennedy, Naperville, Ill.; B.A. (Franklin and Marshall College); *Chemistry*; Dr. Sheldon G. Shore
- Guy O'Gorman King, Washington, D. C.; B.A. (University of North Dakota); M.A.; *Philosophy*; Dr. Richard T. Garner
- Karen Shakley Ladd, Knoxville, Tenn.; B.M. (Muskingum College); M.A.; *Music*; Dr. Herbert S. Livingston
- Leah Carol Laxson, Greer, S. C.; B.S. (Bob Jones University); *Anatomy*; Dr. James S. King
- Kyu-Hwa Lee, Seoul, Korea; B.S.E. (Seoul National University); M.S.; *Metalurgical Engineering*; Dr. Digby D. Macdonald
- John Bernard Letts, South Bend, Ind.; B.A. (Indiana University); *Chemistry*; Dr. Devon W. Meek
- Douglas Frederick Mayer, Oneonta, N. Y.; A.B. (Kenyon College); M.Ed. (Ohio University); *Education*; Dr. Walter G. Hack
- Douglas Carter McElwain, Sterling, Colo.; B.A. (Hastings College); M.A.; *Psychology*; Dr. Barbara A. Edmonson
- Robert Francis McGivern, Jr., Columbus; B.S., M.A.; *Psychology*; Dr. Gary G. Berntson
- William Walter Miller, Canton; B.A., M.A.; *Education*; Dr. William Moore, Jr.
- Audni Miller-Beach, Columbus; B.A. (Texas Lutheran College); M.A.; *Education*; Dr. David L. Boggs
- Rajendra Bhalchandra Nalavade, Pune, India; B.Tech. (Indian Institute of Technology); *Industrial and Systems Engineering*; Dr. Richard A. Miller
- Vasant Ullal Nayak, Bombay, Maharashtra, India; B.Sc., M.Sc. (University of Bombay); M.S.; *Physics*; Dr. David O. Edwards
- Karen Francis Nicholson, South Charleston, W. Va.; B.S. (West Virginia State University); M.A. (West Virginia College of Graduate Studies); *Education*; Dr. James E. Kerber
- Linda Catherine Nusbaum, Columbus; B.S. (Western Michigan University); M.Ed. (University of Toledo); *Education*; Dr. Anthony C. Riccio
- Nancy Elizabeth Offutt, Hamilton; B.S., M.Mgt. (Northwestern University); *Business Administration*; Dr. Roger D. Blackwell
- George Rick Oliver, Burlington, N. J.; B.S. (North Carolina State University); M.S. (University of Illinois); *Agronomy*; Dr. George S. Taylor
- Cynthia Brooks Payne, Portsmouth; B.S., M.A.; *Education*; Dr. Donald R. Bateman
- Methard Askew Pierce, Montgomery, Ala.; B.A. (Stillman College); M.A. (The University of Alabama); M.Ed. (Alabama State College); *Education*; Dr. Herman J. Peters
- Mark Jon Piwinsky, Slickville, Pa.; B.S. (Saint Vincent College); M.A.; *Political Science*; Dr. Charles F. Hermann
- Stephen Keith Pollard, Burlingame, Calif.; B.A. (California State College at Sonoma); M.S.; *Agricultural Economics and Rural Sociology*; Dr. Douglas H. Graham
- Nicholas G. Rinaldi, Mahwah, N. J.; B.S., M.A. (Villanova University); *Theatre*; Dr. Donald R. Glancy
- Eric Risch, Ada, Ghana; B.S. (University of Guelph); M.S. (University of British Columbia); *Agricultural Engineering*; Dr. Floyd L. Herum
- Young Key Ro, Republic of Korea; B.A. (Chung-Ang University); M.S.; *Agricultural Economics and Rural Sociology*; Dr. D. Lynn Forster
- Marvin Lee Roberts, Canton; B.S., M.S. (University of Wyoming); *Botany*; Dr. Daniel J. Crawford
- Michael Lester Rose, Hamilton; B.A. (Miami University); M.A.; *Interdisciplinary: Labor and Human Resources, and Public Administration*; Dr. Robert C. Miljus
- Susan Jane Rudge, Oxford; B.S. (Miami University); M.S.; *Home Economics*; Dr. Virginia M. Vivian
- Daniel Joseph Ryan, Columbus; B.S., M.S.; *Electrical Engineering*; Dr. Edward K. Damon
- Arnold Schneider, Cleveland; B.S. (Case Western Reserve University); M.A.; *Accounting*; Dr. Thomas J. Burns
- Sheila Jolaine Scholl, Columbus; B.A. (Miami University); M.A.; *Education*; Dr. Victor M. Rentel
- Kun Sun Shiao, Taipei, Taiwan, R.O.C.; B.S., M.S. (National Taiwan University); *Agricultural Education*; Dr. J. Robert Warmbrod and Dr. Howard W. Ladewig
- Thomas Robert Shryock, Sylvania; B.S. (University of Toledo); *Medical Microbiology and Immunology*; Dr. Frank A. Kapral
- Bruce Joseph Shylo, Olmsted Falls; B.A. (Hiram College); M.A. (University of Dayton); *Education*; Dr. Aaron J. Miller
- Leonard Anthony Sikora, Columbus; B.S. (St. John Fisher College); M.S. (University of Dayton); *Biochemistry*; Dr. George A. Marzluf
- Jerry Michael Skinner, Akron; B.S. (University of Akron); M.S.; *Zoology*; Dr. Bernard L. Griewold
- Ray Michael Snider, Canoga Park, Calif.; B.A. (California State University at Northridge); M.S.; *Pharmacy*; Dr. Michael C. Gerald
- Mary Irene Stiff, Columbus; B.Ed. (University of Toledo); M.S. (Wright State University); *Veterinary Pathobiology*; Dr. Richard G. Olsen
- Bradley Harold Taylor, Eldorado, Kans.; B.S. (Kansas State University); M.S.; *Horticulture*; Dr. David C. Ferree
- Benjamin Noel Tuggle, Warner Robins, Ga.; B.S. (Fort Valley State College); M.S.; *Zoology*; Dr. John L. Crites
- Ronald Edwin Voogt, Byron Center, Mich.; B.A. (Calvin College); M.A.; *Music*; Dr. Charles M. Atkinson and Dr. Richard H. Hoppin
- Frederick Thomas Waddell, Chicago, Ill.; B.S. (Northwestern University); M.B.A. (DePaul University); M.A.; *Psychology*; Dr. Samuel H. Osipow
- Arnold Burt Weinrib, Columbus; B.S., M.S.; *Pharmacy*; Dr. Alfred E. Staubus
- Keith Franklin Widaman, South Pasadena, Calif.; B.A. (Whittier College); M.A.; *Psychology*; Dr. Fred L. Damarin, Jr.
- Peter Warren Williams, Perth, Western Australia; LL.B. (The Australian National University); Diploma Ed. (Claremont Teachers College); M.A.; *Education*; Dr. James E. Kerber

Richard Lynn Williams, Upper Arlington; B.S. (University of Cincinnati); M.A. (Georgia Institute of Technology); *Civil Engineering*; Dr. Tien H. Wu

Janice Emelie Woodard, Blacksburg, Va.; B.S.Ed. (New York State College for Teachers); M.S. (Cornell University); *Home Economics*; Dr. Fern E. Hunt

Akio Yasuhara, Toyko, Japan; B.S.S. (Saitama University); M.A. (International Christian College); *Economics*; Dr. Edward J. Kane

## Master of Accounting

Yu-Yun Tristan Kuo, Taipei, R.O.C.; B.A. (Soochow University); *Accounting*

Jiann-Ni Janet Yih, Taipei, R.O.C.; B.C. (National Chengchi University); *Accounting*

## Master of Architecture

James Douglas Adams, Columbus; B.S.; *Architecture*

Donald Alexander Highlander, Castalia; B.S.Arch.; *Architecture*

Uk Kim, Seoul, Korea; B.S. (Seoul National University); *Architecture*

## Master of Arts

David Emerson Adams, Westerville; B.A. (Marietta College); *Education*

Helen Holupka Ahlborn, Marysville; B.A. (Otterbein College); *Psychology*

Nan Shawber Baer, Tiffin; B.A.; *Sociology*

Shelley Mai Baldwin, New Marshfield; B.S.W. (Ohio University); *Public Administration*

Elaine Carol Baron, Columbus; B.A. (Villa Maria College); *Public Administration*

Anne Skelton Bates, Sydney, Australia; B.A. (University of Sydney); *Education*

Adam Joseph Bradley, Columbus; B.A. (Oberlin College); *Journalism*

Steven Thomas Burkhead, Troy, N. C.; B.S. (Appalachian State University); *Physical Education*

Leslie Shen Bussard, Columbus; B.S.Ed. (Kent State University); *Education*

Abdul Rahim Busumatnor, Kuala Lumpur, Malaysia; Dipl. M.E. (Brighton Polytechnic); *Education*

Hwei-Wen Chen, Taipei, R.O.C.; B.A. (Tunghai University); *Education*

Kam-Fong Monit Cheung, Hong Kong; B.A. (Hong Kong Baptist College); *Public Administration*

Lois Peake Christel, Springfield; B.S.N.; *Education*

Anne Betty Conrad, Columbus; B.S.; *Communication*

Rochelle Arlene Cook, Columbus; B.F.A. (Philadelphia College of Art); *Education*

Deborah Anne Crow, Upper Sandusky; A.B. (Heidelberg College); *Education*

Marcia Behle Daneman, Columbus; B.S. (Simmons College); *Public Administration*

Kathryn Louise Denison, Mt. Vernon; B.A. (Ohio Northern University); *Education*

Simone Odile Dennewitz, Reynoldsburg; B.S. (Ohio University); *Education*

Shaw-Ling Dung, Taipei, R.O.C.; Bachelor in Law (National Taiwan University); *Journalism*

Helene Louise Dunigan, Columbus; B.S.Ed.; *Education*

Pamela Ann Elliott, Columbus; B.A.; *Public Administration*

Peggy Anne Escola, Canton; B.S. (Bowling Green State University); *Physical Education*

Linda Sue Evans, Columbus; B.S. (Miami University); *Education*

Jeri Lynn Fisher, Lexington; B.S. (Miami University); *Communication*

Judy Ann FitzSimmons, Lucas; B.A. (Muskingum College); *Education*

Elisabeth W. Fridley, Carroll; B.S.Ed.; *Education*

Ralph Gardner, Cincinnati; B.S.; *Education*

Michael Gerard Gaski, Cleveland; B.A. (University of Detroit); M.F.A. (University of North Carolina—Greensboro); *English*

Robert James Gaston, Lisbon; B.S.; *Public Administration*

Sharon Gantt Gilbert, Marion; B.S.Ed.; *Education*

Carol Lee Graham, Columbus; B.S.Nurs.; *Education*

Derrick Wayne Graham, Frankfort, Ky.; B.A. (Kentucky State University); *Political Science*

Lawrence Frederic Greenfield, Sharon Mass.; B.A. (University of Massachusetts); *History*

Alice Jean Greenwald, Tiffin; B.S.Ed.; *Education*

Debra Sue Gross-Sidlow, Columbus; B.A. (University of Michigan); M.C.R.P.; *Political Science*

Susan Anne Halderman, Lancaster; B.A. (John Carroll University); *Journalism*

Sheryl Ann Hickman, Grove City; B.S.Ed.; *Education*

Debra Ann Hodges, Mt. Holly, N. J.; B.A. (Bennett College); *Journalism*

Margaret Lynn Holland, Denver, Colo.; B.A. (University of the Americas); *Journalism*

Jay Bonnet Hoster, Columbus; B.A. (Haverford College); *Journalism*

Norio Hozaki, Hamamatsu-shi, Japan; B.S. (Kanazawa University); *Education*

Gloria Ann Jackson, Akron; B.S.Ed.; *Education*

Melinda Jackson, Toledo; B.A.; *Education*

Kamaruzzaman Bin Jamal, Semenyih, Malaysia; B.A. (Universiti Sains Malaysia); *Education*

Esther Javetz, Tel-Aviv, Israel; B.A. (Tel-Aviv University); *Education*

Barbara Elaine Johnson, Wadsworth; B.A. (Mount Union College); *Sociology*

Donna Kay Keuck, Columbus; B.A., M.A.T. (University of the Pacific); *Sociology*

Sandra Ann Kiner, Mansfield; B.S.Ed.; *Education*

Pamela Sue Klug, Bridgeport; B.A.; *Communication*

Kurt Kraiger, Chesterland; B.A. (University of Cincinnati); *Psychology*

Richard Allan Krasnoff, Columbus; B.S.Ed. (Kent State University); *Education*

Bey-Rong Kung, Taipei, R.O.C.; B.A. (National Taiwan University); *Political Science*

Karin Michele Lopper, Columbus; B.S.Soc.Wel.; *Public Administration*

Mary Sue MacNealy, Newark; B.A.; *English*

Beverly Gene Marckel, Delaware; B.A. (Otterbein College); *Education*

Nancy Elaine Martine-Tetzloff, Columbus; B.S. (Miami University); *Education*

Laura O'Connor McClellan, Columbus; B.S. (Bowling Green State University); *Communication*

Jay Lee McCreary, Upper Sandusky; B.S.; *Education*

Wanda Louvenia McEntyre, Blacklick; B.A. (Ohio Dominican College); *Psychology*

Marilyn Mae McPheron, Elida; B.S.; *Education*

Jennifer Young Molnar, Columbus; B.A. (University of Kentucky); *Public Administration*

Daniel Otis Moorhead, Findlay; B.S.Ed.; *Public Administration*

Julie Anne Mueller, Columbus; B.A. (Oberlin College); *Architecture*

Judith R. Murphy, Wyckoff, N. J.; B.S. (University of Wisconsin); *Education*

Patricia Mary Naulty, Blackstone, Va.; B.A. (University of Evansville); *English*

Chigozie Felicia Nwaenyi, Ihiala, Nigeria; B.A. (University of Nigeria); *Black Studies*

James Edwin Owers, Methven, New Zealand; B.Com., B.Sc.M.Com. (University of Canterbury); *Business Administration*

Julie Ann Phelps, Coshocton; B.S. (Bowling Green State University); *Education*

Fatemeh Rahnavard, Tehran, Iran; B.A. (Farah Pahlavi University); *Education*

Edward George Ramsey, Lakewood; B.A. (Cleveland State University); *Political Science*

Jody Elizabeth Read, Greenville; B.S.Ed.; *Education*

Mary Ann Reichert, Rensselaer, Ind.; B.S. (St. Joseph's College); *Journalism*

Rebecca Ann Rengo, Kaleva, Mich.; B.S. (Southern Illinois University); *Public Administration*

Mary Gretchen Rice, Columbus; B.S.Nurs.; *Physical Education (Health Education)*

Donna Jean Rinckel, Cincinnati; B.A. (College-of-Mount St. Joseph); *Education*

Ramon Felipe Russe-Pena, Morovis, P. R.; B.A. (Recinto Universitario Mayagüez); *Psychology*

Cindy Lee Sasser, Columbus; B.S.Ed.; *Education*

Susan Joan Schibler, Columbus; B.A. (Kent State University); *Public Administration*

Denise Elizabeth Sells, Monroe; B.A.; *Communication*

Edward Richard Semmler, Cincinnati; B.A. (University of Cincinnati); *Journalism*

Barbara Jean Sines, Newark; B.S. (Bowling Green State University); *Education*

Diane Sue Smith, Mansfield; B.S. (Miami University); *Physical Education*

Gloria Marie Smith, Dayton; B.A. (Central State University); *Journalism*

Inga Harmon Smith, Columbus; B.S. (Bowling Green State University); *Education*

Pedro Solis-Camara-Resendiz, Guadalajara, Mexico; Licentiate (University Autonoma de San Luis Potosi); *Psychology*

Paula Hinkelman Steele, Newark; B.A. (Ohio Wesleyan University); *Education*

Roy Edwin Stone, Centerville; A.B. (University of Southern California); *Communication*

Sheri Aretha Thornton, Baltimore, Md.; B.S. (Morgan State University); *Public Administration*

Gregg Alan Timmons, Columbus; B.S.Ed. (Ohio University); *Education*

Jeffrey Nicholas Trimble, Columbus; B.A.Jour.; *Journalism*

Teresa Renee Trott, Columbus; B.A.; *Public Administration*

Barbara Slater Tucker, Gahanna; B.S.Nurs.; *Physical Education (Health Education)*

Hannah Vallette, Chillicothe; B.A. (Randolph-Macon Woman's College); *History of Art*

Nancy Ellen VanRiper, Mansfield; B.A.; *Communication*

Wanda Gail Vogler, Anniston, Ala.; B.S. (University of Dayton); *Education*

Gary Alan Walco, Van Nuys, Calif.; B.A. (University of California at Los Angeles); *Psychology*

Monika Weigl, Bad Tolz, West Germany; B.A. (Capital University); *German*

Elizabeth Murphy Withrow, Columbus; B.S.Ed.; *Education*

Ronald Gregory Wright, Columbus; B.S.Ed. (Ohio University); *Education*

Douglas Eugene Wynn, Westerville; B.S.Ed.; *Education*

David Fredric Zakin, Worthington; A.B. (Dartmouth College); *Psychology*

Connie Swartz Zitlow, Columbus; B.S. (Wittenberg University); *Education*

### Master of Business Administration

Ghazali Abdul Rahman, Malaysia; B.S.B.A. (University of Tennessee); *Business Administration*

Seraj Allali Khorrnamshar, Iran; B.S.Bus.Adm.; *Business Administration*

Robert Gerard Bernardin, Evansville, Ind.; B.S.G.M. (Purdue University); *Business Administration*

Mark Frederick Brunn, Mansfield; B.S.Ed.; *Business Administration*

Frank Joseph Capella, Girard; B.A.; *Business Administration*

Wing Kin Chan, Hong Kong; B.S. (Northeastern University); *Business Administration*

Julie Lynn Chandler, Columbus; B.S.Bus.Adm.; *Business Administration*

Philip Mark Christensen, New Canaan, Conn.; B.S. (Miami University); *Business Administration*

Mary Anne Barrett Decker, Columbus; B.S.Bus.Adm.; *Business Administration*

Janet E. Dickstein, Columbus; B.A. (Beaver College); *Business Administration*

Anne Mary Dorrian, Columbus; B.B.A. (Kent State University); *Business Administration*

Steven E. Eisenberg, Columbus; B.S. Finance (University of Maryland); *Business Administration*

Robert Ewing Filler, Columbus; B.S.Bus.Adm.; *Business Administration*

Frank Nicholas Frallicciardi, Towson, Md.; B.S.B.A. (Georgetown University); *Business Administration*

Keith DeWitt Gatewood, Zanesville; B.S. (Bowling Green State University); M.S.W.; *Business Administration*

Dennis Wendell Gramlich, Columbus; B.S.; *Business Administration*

David W. Grauer, Columbus; B.S. (University of Kansas); M.S.; *Business Administration*

Gary Russell Hattery, Columbus; B.S. (Purdue University); M.S. (Massachusetts Institute of Technology); *Business Administration*

Alfred Francis Herold, Upper St. Clair, Pa.; B.S.; *Business Administration*

Henry Coggeshall Howells, IV, Columbus; B.S. (Virginia Polytechnic Institute and State University); *Business Administration*

Kurt William Huelman, Chickasaw; B.S.Mech.Eng. (University of Cincinnati); *Business Administration*

Pui-Wai Kan, Hong Kong; B.A. (Utah State University); *Business Administration*

Joseph Edward Kristie, Argo, Ill.; B.A., M.A. (University of Illinois); *Business Administration*

Tseng-Yue Lung, Taipei, R.O.C.; B.S., B.A.; (National Cheng-kung University); *Business Administration*

Masayo Tsuboto Martin, Mount Vernon; B.A. (St. Olaf College); *Business*

Jeffrey Allan McNaul, Cincinnati; B.S. (Miami University); *Business Administration*

Paul Randall Miller, Columbus; B.A. (Capital University); *Business Administration*

David Wayne Moslow, Williamsville, N. Y.; B.A. (Canisius College); *Business Administration*

Christina M. Povenmire, Columbus; B.S.Bus.Adm.; *Business Administration*

Daniel Robert Sanders, Grand Blanc, Mich.; B.A. (Michigan State University); M.A.; *Business Administration*

Brian Frederick Snell, Dublin; B.A. (Miami University); *Business Administration*

William James Turbitt, Columbus; B.A. (William Paterson College); *Business Administration*

Bruce Edward Wilson, Columbus; B.S.Bus.Adm.; *Business Administration*

Richard Stephen Wojcik, Euclid; B.S.I.A. (General Motors Institute); *Business Administration*

### Master of City and Regional Planning

Gregory Timothy Biggs, Cincinnati; B.A. (University of Cincinnati); M.P.A. (University of Mississippi); *City and Regional Planning*

Burell Toussant Charity, Youngstown; B.A. (Ohio University); *City and Regional Planning*

Katherine A. Gharrity, Delaware; B.A. (Beloit College); *City and Regional Planning*

Cheryl Parker Hamilton, Beltsville, Md.; B.A. (Howard University); *City and Regional Planning*

In Sook Lim, Vermilion; B.F.A.; *City and Regional Planning*

Colette Marie Simpson, Marietta; B.S. (Ohio University); *City and Regional Planning*

### Master of Fine Arts

Mary Katherine McFerran, Albany, N. Y.; B.S., M.A. (State University of New York at Albany); *Art*

### Master of Health Administration

Corinne Dillon, St. Albans, W. Va.; B.S.Bus.Adm.; *Allied Medical Professions*

### Master of Labor and Human Resources

Terri Kim Bigley, Reynoldsburg; B.S.; *Labor and Human Resources*

Luis A. Diaz, Caracas, Venezuela; Licentiate in Human Resources (Universidad Catolica Andres Bello); *Labor and Human Resources*

Patricia Anne Forster, Columbus, Ind.; B.A. (Purdue University); *Labor and Human Resources*

Amy B. Saul, Bethpage, N. Y.; B.S. (State University of New York at Binghamton); *Labor and Human Resources*

### Master of Music

David Lancaster Tolley, Worthington; B.Mus.; *Music*

### Master of Public Administration

George John Apostolos, Canton; B.S., B.A.; *Public Administration*

John Scott Crooks, Westerville; B.A.; *Public Administration*

John Richard Diamond, Columbus; B.S. (University of Pittsburgh); B.A. (Ohio Dominican College); *Public Administration*

Vickie Joy Greene, Farmer, N. C.; B.S. (Guilford College); *Public Administration*

### Master of Science

Kadry A. M. Abdel-Hamed, Cairo, Egypt; B.Sc. (Cairo University); *Biomedical Engineering*

Ismail Bin AbdLatif, Kuala Pilah, Malaysia; B.S.Agr.; *Agricultural Economics and Rural Sociology*

Abdillahi A. Aboud, Malindi, Kenya; B.S. (Texas Technical University); *Agricultural Economics and Rural Sociology*

Muhammad Sani Abubakar, Danja, Nigeria; B.Sc. (Ahmadu Bello University); *Physics*

Salim Al-Hariri, Tartous, Syria; B.S. (Damascus University); *Electrical Engineering*

Mustafa Abbas Habib Al-Shawi, Basrah, Iraq; B.Sc. (University of Basrah); *Civil Engineering*

Deborah Ann Asettine, Forbestown, Calif.; B.A. Biology (University of California at Santa Barbara); *Zoology*

Ab-Rahim Bakar, Kelantan, Malaysia; B.S. (Iowa State University); *Agricultural Education*

Robert Donald Bartlett, New Orleans, La.; B.S. (Tulane University); *Metallurgical Engineering*

Denise Karen Baun, Columbus; B.S. (Delaware Valley College); *Horticulture*

Jahan B. Bayat-Mokhtari, Meshed, Iran; B.S. (Iran College of Science and Technology); *Mechanical Engineering*

Ravi Bhushan, Agra, India; B.Tech. (Indian Institute of Technology); *Nuclear Engineering*

Jo Ann Blevens, Kettering; B.S. (University of Colorado); *Nursing*

Kathy Meg Bracic, Parma Heights; B.A.; *Industrial and Systems Engineering*

Margot Manfredo Bridgen, Rossiter, Pa.; B.S. (Pennsylvania State University); *Plant Pathology*

Edmundo Brito, I. de Matamoros, Mexico; B.S. (Universidad Autonoma de Puebla); *Chemical Engineering*

Janice Lynn Buehler, Albuquerque, N. Mex.; B.S. (New Mexico State University); *Horticulture*

Robert Winston Burkhardt, Columbus; B.S.; *Geodetic Science*

Jeanette Louise Burns, Fostoria; B.S. (Bowling Green State University); *Home Economics*

Benedicto-Do-Espirito Santo-De Campos, Monte Mor, Brazil; Agric.Engr. (University of Sao Paulo); *Animal Science*

Ken David Cardina, Akron; B.S.M.E.; *Mechanical Engineering*

Delores Ann Carter, Lake Providence, La.; B.S.N. (Dillard University); *Nursing*

Yin Chang, Kaohsiung, R.O.C.; B.S.E.E. (Chung Yuan Christian College of Science and Engineering); *Electrical Engineering*

Chii-Chao Chen, Ilan, R.O.C.; B.S.E. (National Cheng Kung University); *Ceramic Engineering*

Yen-Jen Chen, Taipei, R.O.C.; B.S., M.S. (National Chung-Hsing University); *Environmental Biology*

Yung-Cheng Timothy Chen, Taipei, R.O.C.; B.S. (Chiad-Tung University); *Mathematics*

Fan-Tien Cheng, Tainan, R.O.C.; B.S. (National Cheng Kung University); *Electrical Engineering*

Ngee Ching Cheng, Sibul, Malaysia; B.A. (Ohio Wesleyan University); *Electrical Engineering*

Ricky King-Ming Chin, Hong Kong; B.A.Sc. (University of Ottawa); *Civil Engineering*

Pong Chou, Taiwan, R.O.C.; B.S.Engr. (National Taiwan University); *Mechanical Engineering*

Gene Frank Clyde, Harrison; B.S.; *Food Science and Nutrition*

Harry Henkel Crosby, Staunton, Va.; B.S.Agr.; *Veterinary Physiology and Pharmacology*

Vickie Leigh Cunningham, Columbus; B.S. (University of Pittsburgh); *Pathology*

Panee Damrongmongkolgul, Bangkok, Thailand; B.Eng. (Chulalongkorn University); *Computer and Information Science*

Jeri Lynn Marie Dowd Braunlin, Columbus; B.S.N. (Capital University); *Nursing*

Sandra Sue Dunstan, Columbus; B.S.H.E.; *Home Economics*

Daniel William Eikenberry, Cambridge; B.S. (Urbana College); *Natural Resources*

Wahba Wahba El-Tahan, Port-Said, Egypt; B.S. (Cairo University); *Engineering Mechanics*

Carol Anne Erwin, Columbus; B.S.; *Horticulture*

Douglas Paul Fairchild, Columbus; B.S.W.E.; *Welding Engineering*

Christine Martha Fisher, Prospect; *Agricultural Education*

- Howard Alan Friedman, Beachwood; B.S.; *Zoology*
- Kenneth R. Fritz, Cincinnati; B.A. (University of Cincinnati); *Natural Resources*
- James Jeffrey Givens, Pittsburgh, Pa.; B.S. (Ohio University); *Chemical Engineering*
- Harish Kumar Goyal, Agra, India; B.E. (University of Roorkee); *Civil Engineering*
- Kathryn Wilson Grant, Stow; B.S.; *Nuclear Engineering*
- Norma Elizabeth Hague, Cuyahoga Falls; B.A. (Hiram College); *Poultry Science*
- Jerritt Harold Hansell, Fayetteville, N. C.; B.S.E.E. (Tennessee Technological University); *Electrical Engineering*
- Nancy Ann Hayes, Columbus; B.S.; *Nursing*
- Mark Albert Heinlein, Wheaton, Ill.; B.S.; *Plant Pathology*
- Robert Anthony Heitzman, Erlanger, Ky.; B.A. (Thomas More College); *Environmental Biology*
- Richard Cline Hilton, Columbus; B.S.E.E. (Ohio University); *Computer and Information Science*
- Esther Hope, Kansas City, Mo.; B.S. (University of Missouri, Kansas City); *Dairy Science*
- Thomas Wayne Hopkins, Hillsboro; B.S.Agr.; *Agronomy*
- Annjia Tinna Hsu, Taipei, R.O.C.; B.S. (National Tsing Hua University); *Chemistry*
- Yung-Haw Hu, Changhua, R.O.C.; B.S. (National Tsing Hua University); *Metallurgical Engineering*
- John M. Hyde, Richfield; B.S. Food Sc.; *Food Science and Nutrition*
- Marybeth Israel, Dayton; B.S. (Ball State University); *Home Economics*
- Debra Lynn Jacobs, Burton; B.S.; *Veterinary Pathobiology*
- Masoud Jafari-Nassab-Kermani, Tehran, Iran; B.S.E. (Purdue University); *Electrical Engineering*
- Kenneth Alan Joehlin, Curtice; B.S.Nat.Res.; *Natural Resources*
- Shu-Jen Fang Kao, Taipei, R.O.C.; B.S. (Fu Jen Catholic University); *Home Economics*
- Elliot Byron Kennel, Middleburg Heights; B.S. (Miami University); *Nuclear Engineering*
- Tze Wing Keung, Kowloon, Hong Kong; B.S.E.E.; *Electrical Engineering*
- Kamel Fahad Khazal, Baghdad, Iraq; B.Vet.Med. (University of Baghdad); *Veterinary Physiology and Pharmacology*
- Judith Kimchi, Franklin; B.Sc. (Ohio University); *Nursing*
- Ying-Hsiang Ko, Kaohsiung, R.O.C.; B.S. (National Tsing-Hua University); *Ceramic Engineering*
- Michael Jay Kunk, Springfield; B.S.; *Geology and Mineralogy*
- Alan Ray Kurtz, Salem; B.A. (Goshen College); *Agronomy*
- Mary Kathryn Kyler, Columbus; B.A. (College of Wooster); *Allied Medical Professions*
- Shu-Man Lau, Taipei, R.O.C.; B.E. (Chung-Yuan Christian College of Science and Engineering); *Civil Engineering*
- Joel Arthur Lawitts, Syracuse, N. Y.; B.S.; *Dairy Science*
- Howoo Lee, Seoul, Korea; B.S.Eng. (Seoul National University); *Industrial and Systems Engineering*
- MeeSook Lee, Seoul, Korea; B.S. (Seoul National University); *Home Economics*
- Kuang-Yu Liao, Taipei, R.O.C.; B.E. (Tamkang University); *Civil Engineering*
- Wendy Fang-Hui Lin, Taipei, R.O.C.; B.Arch. (Tamkang College); M.Arch. (National Cheng-Kung University); *Civil Engineering*
- Pau-Lu Lo, Taiwan, R.O.C.; B.Eng. (Taiwan Provincial College of Marine and Oceanic Technology); *Electrical Engineering*
- Scott Lozanoff, Holland; B.A. (University of Toledo); *Anatomy*
- David Glenn Luttrell, Dublin; B.S. (Murray State University); *Computer and Information Science*
- Deborah Harrison Marcos, Grove City; B.S.Ch.E. (Texas Agricultural and Mechanical University); *Chemical Engineering*
- Gregory Markzon, Kiev, U.S.S.R.; Diploma (Kiev University); *Mathematics*
- Paul Frank Maxson, Delano, Calif.; B.S. (California Polytechnic State University); *Animal Science*
- Mark Warner McNair, Seattle, Wash.; B.S., B.S. (University of Washington); *Computer and Information Science*
- Mala Geeta Menon, Bombay, India; B.Sc. (Bombay University); M.Sc. (Indian Institute of Technology); *Computer and Information Science*
- Nall Moonilall, Cor/Berbec, Guyana; B.Sc. (York College of the City University of New York); *Agronomy*
- James Russell Murrin, Columbus; D.D.S.; *Dentistry*
- Thomas Graydon Myers, Wauseon; B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Joseph Timothy Newsome, Youngstown; B.S.; *Veterinary Pathobiology*
- Charles Kenneth Nicholas, Flint, Mich.; B.A. (University of Michigan); *Computer and Information Science*
- John F. O'Connell, Columbus; B.S. (Fordham University); *Physiology*
- David Nwabweze Onuora, Nawfia, Nigeria; B.S. (University of Nigeria); *Poultry Science*
- Gary Lee Overmier, Napoleon; B.S.; *Agricultural Economics*
- Beryl J. Packer, Port Matilda, Pa.; B.S.; *Microbiology*
- Eric Christopher Palik, Lyndhurst; B.A. (Case Western Reserve University); *Chemistry*
- Frank Robert Palmiero, Columbus; B.S.; *Computer and Information Science*
- In Gyu Park, Korea; B.S.E. (Seoul National University); *Electrical Engineering*
- Jin Won Park, Seoul, Korea; B.S.E. (Seoul National University); *Industrial and Systems Engineering*
- Sheila Jan Payne, Columbus; B.A. (Ohio Dominican College); *Home Economics*
- Mark Nicholas Perlmutter, Penns Grove, N. J.; B.S. Nutrition; *Physiology*
- Maureen O'Brien Platt, Worthington; B.S. (Virginia Polytechnic Institute and State University); *Home Economics*
- Susan Marie Proctor, East Liverpool; B.S.H.E.; *Home Economics*
- Jose Devassy Pullockaran, Irinjalakuda; India; B.S. (University of Kerala); M.Sc. (Calicut University); M.Tech. (Indian Institute of Technology); *Metallurgical Engineering*
- John Robert Rapp, Worthington; B.A. (St. Mary's College); *Mechanical Engineering*
- Joseph William Rimelspach, Columbus; B.S.; *Plant Pathology*
- Jerry Richard Roberts, Vandalia; B.S. (Wright State University); *Pharmacy*
- Cathy Ann Roche, Claremont, Calif.; B.A. (California State College at San Bernardino); *Chemistry*
- Sarah Jean Rockey, Chagrin Falls; B.S.; *Entomology*
- Timothy David Rogers, Ithaca, N. Y.; B.S. (Cornell University); *Agronomy*
- Janice Leslie Rook, Columbus; B.S. (University of Kentucky); *Nursing*



David Daniel Rowlands, Worthington; B.S., M.S.; *Geodetic Science*

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Rodney John Samodral, Chicago, Ill.; B.S. (Loyola University); *Chemistry*

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Terri Sue Short, Gallipolis; B.S.Agr.; *Animal Science*

Khek Giap Su, Kuala Lumpur, Malaysia; B.S. (University of Malaya); *Computer and Information Science*

Turiman Bin Suandi, Kelang, Malaysia; B.S. (University of Florida); *Agricultural Education*

David M. Sullender, Camden; B.S. (University of Massachusetts); *Agricultural Economics and Rural Sociology*

Dudley Glessner Thomas, Mansfield; A.B. (Wittenberg University); *Chemistry*

Barbara Ann Thuma, Bradford; B.A. (Goshen College); *Plant Pathology*

James William Tomko, North Royalton; B.A. (Miami University); *Environmental Biology*

Gildo Mark Tori, Farmington Hills, Mich.; B.S. (Michigan State University); *Zoology*

Heng-Sheng Jessica Torng, Taipei, R.O.C.; B.S. (National Taiwan University); *Chemical Engineering*

James Joseph Toth, Seven Hills; B.S. (Carnegie Mellon University); *Chemical Engineering*

Bruce Wayne Triplehorn, Columbus; B.S.; *Entomology*

Beth Turner, Youngstown; B.A. (Youngstown State University); *Mathematics*

Benjamin Obinero Uwakweh, Aba, Nigeria; B.S.C.E. (University of Portland); *Civil Engineering*

Koteswara Rao Vemuri, Gudivada, India; B.Tech. (Indian Institute of Technology); *Industrial and Systems Engineering*

Patricia Adair Verbanac, Decatur, Ill.; A.B. (Augustana College); B.S.M.T. (Indiana University); *Microbiology*

John Cyril Veselenak, Pleasant City; B.S.C.E.; *Civil Engineering*

Mary Ann Wagner, Edison; *Home Economics*

Mark James Watkins, Silver Spring, Md.; B.S. (Virginia Polytechnic Institute and State University); *Computer and Information Science*

David John Wayne, Tarentum, Pa.; B.S. (University of Cincinnati); *Electrical Engineering*

John Albert Wenning, Coldwater; B.S.Agr.; *Animal Science*

Chaiyong Wongchaisuwat, Bangkok, Thailand; B.E.E. (Kasetsart University); *Electrical Engineering*

Deborah Sue Wright, Tullahoma, Tenn.; B.S. (David Lipscomb College); *Home Economics*

Hsin-Chung Yu, Taipei, R.O.C.; B.E. (Chung-Yuan Christian College of Science and Engineering); *Mechanical Engineering*

Lai-Duien Yuen, Taipei, R.O.C.; B.S. (National Chung-Hsing University); *Chemistry*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:

Patrick R. Dugan

Vice Provost for the Arts and Sciences:

Thomas A. Willke

The Colleges of the Arts and Sciences, a federation of five colleges, include:

College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and Physical Sciences

College of Social and Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

Mary Louise Amorose, Columbus  
Jay Arthur Berk, Vermilion  
Jeffrey Alan Brown, Cincinnati  
Donna Jean Carpenter, Lebanon  
Jeannette Jasmine D'Luzansky, Columbus  
Elizabeth Ann Giles, Lancaster  
Natalie Imbrogo, Columbus  
Connie Jane Klema, Pataskala  
Joel P. Moore, Columbus  
Andrew Balfour Stevens, Hudson  
Keith E. Stevens, Upper Arlington  
Sherman Thomas Stevens, Columbus  
William J. Ticosas, Warren  
Marcia Z. Tressel, Lorain  
Richard Scott Urban, Boardman

### Bachelor of Fine Arts

John Michael Collins, Columbus  
Anne Giesler Cunningham, Dublin  
Judith A. Frank, Loudonville  
Ann Estelle Gerckens, Columbus  
Shirley Ann Hansen, Columbus  
Joyce Ann Hornbeck, Springfield  
David Peter Kasper, Reynoldsburg  
Carolyn Sue Ward Langel, Groveport  
Norman P. MacDonald, Mansfield  
Kim Richardson, Columbus  
Maureen Kay Santry, Columbus  
Thomas Stanley Woznicki, Cleveland

### Bachelor of Music

Mark Steven Ciminello, Columbus  
Steven Wayne Hannan, Columbus  
Richard D. Kolb, Columbus

### Bachelor of Art Education (non-certified)

Deborah Fortman Dukovec, Columbus

### Bachelor of Art Education<sup>1</sup>

John Douglas DePalma, Columbus  
Patricia Lynn Dorsey, Columbus  
Christine P. Sarra, Reynoldsburg  
Sharon Lee Shultz, Marion

### Bachelor of Music Education<sup>1</sup>

Mark Steven Ciminello, Columbus  
Frederick Steven Frank, II, Columbus  
Charlotte E. Green, Gahanna  
Kenneth Eugene Johnson, Richwood  
Linda Gail Rhuda, Reynoldsburg  
Claude Lucien Thomas, Toledo

## Bachelor of Science in Industrial Design

James Paul Buchheim, Westchester  
Lawrence R. Dibble, Warre  
John Craig Hoyer, Westerville  
Nancy Gail Pace, Mason

<sup>1</sup> Offered jointly by the College of the Arts and the College of Education

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Science

Alison Cynthia Auclair, Columbus  
Raymond Anthony Bannan, Shadyside  
Lisa Michelle Bannon, Columbus  
Robin Lynn Barker, Columbus  
Judith Marie Bohn, Euclid  
Harry L. Bowers III, Edgerton  
Mark H. R. Brand, Cincinnati  
Charles Richard Buchanan, Englewood  
Cary Lewis Copeland, Columbus  
Laura L. Dorsey, Columbus  
David Benton Ellis, Washington C. H.  
Michael James Freeland, Lima  
Arla Lee Gilliland, Wellston  
Mary Elizabeth Gustafson, Cleveland Heights  
Michael Dale Gwinn, Newark  
Kenneth James Hammer, Cleveland  
John Milton Jones, Warren  
John Webster Junk, Hilliard  
Christopher Stephen Konkoy, Fairview Park  
Marleen L. Kromer, Columbus  
Phillip Anthony Lampe, Worthington  
Thomas Barton May, Cincinnati  
Marla Kay McCune, Lucasville  
Stephen D. Mills, Findlay  
Carlos Ismael Montes, Jr., Lorain  
James Robert Potocnik, Euclid  
James Allen Raimonde, Defiance  
Kent Lee Rogers, Grove City  
Michael Anthony Scarpone, Steubenville  
Stephanie Lynne Smith, Franklin  
Kenneth Raymond Thomas, Marion  
Elaine M. Treidel, Toms River, N. J.  
Lance Voss, Columbus  
Edward L. White, Kettering  
Nancy Jean Zeleznik, Rocky River  
Paul Joseph Zock, Warren

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

Albert Jerome Bell, Columbus  
Judith A. Burke, Columbus  
David William Cheney, Marion

Mary Joan Coleman, Crestline  
Jane Watson Corzine, Chillicothe  
Kathleen Kay Davis, Pauding  
Diana Lynn Dinus, Crestline  
Jennifer Lynn Dowling, Gahanna  
Paul Alexander Dyer, Columbus  
Allen L. Fankhauser, Bellaire  
Brent D. Fitzpatrick, Columbus  
Linda M. Francis, Columbus  
Carol Sue Fuller, Columbus  
Connie Sue Gaib, Columbus  
Christopher Andrew Gallutia, Reynoldsburg  
Mary Louise Garner, Circleville  
Valerie Ann Hanger, Marietta  
Thomas K. Harrington, Worthington  
Diane Marie Harris, Lancaster  
Daniel James Hayes, Puxcawtoney, Pa.  
Patricia Ann Kaiser, Grove City  
Julia Ann Kramer, Columbus  
Barbara G. Loewenstein, Cincinnati  
Linda May Maggied, Columbus  
Molly Maria Muth, Centerville  
Linda Dianne Myers, Lexington  
Timothy Richard Payne, Columbus  
Richard Corbett Rutherford, Frankfort  
Christopher Cole Scheu, Columbus  
Lonnie Mae Seay, Columbus  
Peter Trent Smith, Zanesville  
Doti Jayne Venham, New Albany  
Gregory Lee Watkins, Van Wert  
Laurie B. Wessely, Eugene, Oreg.  
Michael Scott Young, Mansfield

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

Catherine Ellen Helmers, Cincinnati  
George McDowell Messick, Upper Arlington  
David Yale Schlossman, Mansfield

### Bachelor of Science

Richard Alan Asamoto, Mayfield Village  
Michael S. Brandly, Liberty, Ind.  
Carol Diane Christian, Delaware  
John Raymond Felix, Cincinnati  
Robert Stephen Frock, North Canton  
Leo Frederick Gentile, San Luis Obispo, Calif.  
Thomas Arthur Klingensmith, Columbus  
David Marchese, Sussex, N. J.  
Joseph Reardon Morrissey, West Haven, Conn.  
Maureen Cooper O'Daniel, Gahanna  
Amy Irene Palm, Hebron  
Ping-Ying Pan, Hong Kong  
Robert Elie Rabbat, Beirut, Lebanon  
Mary Beth Rafalowski, North Canton  
Brant Paul Saperstein, Columbus  
Ronald Glenn Schiller, Clyde  
Booker T. Smith, Jr., Cleveland  
Linda Davis Sullivan, Bellevue, Nebr.  
Mark Allen Wafe, Columbus

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

Rick Joseph Abraham, Columbus  
Evan Brian Baisden, Thornville  
Brenda Lin Bare, Glenford  
Audrey Lynn Baskerville, Cincinnati  
Michael Alan Bell, Columbus  
Lisa Anne Bennett, Westerville  
Gregory Edwin Berger, Brecksville  
Gregor J. Berning, Minster  
Jeffrey Brian Boley, Columbus  
Shari Ann Borgeson, Bay Village  
David L. Brigham, Columbus  
Catherine R. Brown, Botkins  
Jeffrey Lee Bundy, Canton  
Adrienne Anne Cardellini, Chagrin Falls  
Peter Lawrence Cea, Columbus  
Erin Lee Charlins, Hudson  
Paul Raymond Cieslak, Brunswick  
Susan Elaine Cohen, Columbus  
Mary Finnerty Collins, Kirtland  
Paige Doucette Crane, Columbus  
Kenneth William Czerr, Chagrin Falls  
Patrick L. Doone, Columbus  
Janet Sue Dorn, Washington C. H.  
Chester Louis Drake III, Columbus  
Joseph J. Duda, Columbus  
Diane P. Durant, Zanesville  
Lori Jo Fenton, Plain City  
Robert James Fisco, Bay Village  
Donald Robert Flask, Stow  
Dana Jean Fuiks, Canfield  
Francis X. Fullin, Columbus  
Marjorie Anne Gabriel, Worthington  
Mary Alice Garcia, Canfield  
John Bradley Gibson, Upper Arlington  
Joseph Ralph Gioffre, Huron  
Jane Lynn Gynn, Hilliard  
Steven Chester Harkrader, Columbus  
Cheryl Denise Harris, Belpre  
Mary Patricia Hartis-Anderson, Worthington  
Sandra Cerlynn Hawthorne, Cleveland  
Hans Juergen Hofmann, Bucyrus  
Andrew William Hofstetter, Pepper Pike  
Mark W. Hooper, Zanesville  
Cathy Sue Howes, North Canton  
Larry Eugene Huber, Westerville  
Debra Beth Kangisser, Beachwood  
Gregory Robert Keller, Mansfield  
Patricia Kay Knox, Columbus  
Elizabeth Marie Lynch, Columbus  
John William Mahaffey, New Washington  
Linda Carol Marcy, Chagrin Falls  
Michael Samuel Martis, Lyndhurst  
Kathleen Elizabeth McCoy, Columbus  
Anthony Joseph Megaro, Chicago, Ill.  
Richard K. Milenthal, Columbus  
Cynthia K. Millberg, Ashtabula  
Steven Eugene Mitchell, Delaware  
Shamsi Mamaghani Moheimani, Tehran  
Janice Renè Morabeto, Steubenville  
Edwin S. Nail II, Mansfield  
D. Keith Nichols, Columbus  
Timothy S. Nichols, Upper Arlington  
Susan Kristina Parrish, Columbus  
Janet S. Parrott, Mansfield  
Perry Lee Passen, Columbus  
Victoria Elizabeth Martha Pendleton, Columbus

Kenneth W. Phillips, Newark  
 Lynn Ann Phillips, Columbus  
 Jeffrey Thomas Quint, Cincinnati  
 Clarence Osborne Rapisarda, Cleveland  
 Martha Ellen Reno, Washington C. H.  
 Deborah L. Rogal, Pittsburgh, Pa.  
 Janet Ruth Sabatino, Dublin  
 Steven Jay Sager, Fort Wayne, Ind.  
 Kristina Sue Sayre, Marion  
 Ronald Carl Schaeffer, East Palestine  
 Cheryl G. Silbigor, Coral Springs, Fla.  
 Suzanne Marie Silva, Canton  
 Richard A. Skora, Upper Arlington  
 Clyde William Snow II, Delphos  
 John Mark Springer, Columbus  
 Debra Dee Stafford, Toledo  
 John Michael Strange, Sagamore Hills  
 Carmine K. Todd, Columbus  
 Faye Rekos Tzemos, Columbus  
 James Gordon Vail, Reston, Va.  
 Jeffrey Bret Vancouver, Columbus  
 Allison Lee Vivo, Youngstown  
 David Barry Waxman, Toledo  
 Raymond Peter White, Dayton  
 Jennifer Lynn Wright, Lima

Ray Paprocki, Columbus  
 Patricia I. Patterson, Munroe Falls  
 Madeline Ann Patton, Salem  
 William David Reilly, Cleveland Heights  
 Donna Jeanne Schmidt, Upper Arlington  
 John D. Shingledecker, Worthington  
 William E. Sinden, Marion  
 John Leigh Smart, Grafton  
 Edward J. Thiede, Pinellas Park, Fla.  
 Noel Allen Traver, Gahanna  
 Terry L. Trimper, North Tonawanda, N. Y.  
 John R. Varanese, Chesterland

Timothy Joseph Devine, Columbus  
 Alan Leroy Diveibiss, Fredericktown  
 Michael Thomas Donahue, Columbus  
 Penny Jo Dougan, Columbus  
 Eric B. Durell, Columbus  
 Michael Rae Dutt, Marion  
 Steve Robert Eckes, Columbus  
 Thomas Wray Ervin, Columbus  
 Dane Harold Espenshied, Gahanna  
 William Mark Evans, Worthington  
 Kathrin Ann Fellows, Upper Arlington  
 Redith L. Folds, Columbus  
 Jon Douglas Gametsfelder, Burgoon  
 Brent Allen Gardner, Sandusky  
 Karen Lynn Gary, Bexley  
 Marvin P. Gillfillan, Kenton  
 Virginia Hardison Girard, Columbus  
 Michael A. Goldstein, Columbus  
 Lisa Anne Gonzales, Columbus  
 Steven Ray Goodrich, Columbus  
 Helen Deloris Gore, Upper Arlington  
 David Erick Gower, Butler  
 Tracy Jerome Gray, Lebanon  
 David Lynn Green, Baltimore  
 Richard William Grunenwald, Columbus  
 Juanita Susan Gugelchuk, South Point  
 David Allen Gurwin, Columbus  
 Edward A. Hafner, Canton  
 Barbara Joan Hamilton,  
 North Brunswick, N. J.  
 Debi A. Hart, Marion  
 Rebecca Ann Hatchett, Columbus  
 Miles Frederick Hoehn, Mansfield  
 Jeffrey Allen Hoffer, Newark  
 Steven Clyde Holcomb, West Jefferson  
 Kurt John Hollinger, Worthington  
 Jeffrey Alan Holub, Columbus  
 Kathleen Grace Homier, Lexington  
 James E. Houston, Akron  
 Steven Edward Howard, Columbus  
 Kathy Anne Huettel, Barlow  
 Jeanne Elizabeth Huffman, Columbus  
 David Paul Isaacs, Waldo  
 Coleen Marie Jablinski, Dayton  
 Donald Shane Jackson, Harkersfield  
 Richard Lee James, Columbus  
 Timothy Jerome Jansen, Columbus  
 David Eric Jarvis, Westerville  
 Dan C. Jay, Columbus  
 W. Scott Johnson, Toledo  
 David Wesley Johnston, Wooster  
 Brian Richard Jonard, Caldwell  
 E. Douglas Jones, Ithaca, N. Y.  
 Constance Louise Kahle, Kalida  
 Daniel Scott Kaiser, Newark  
 J. David Karam, Columbus  
 Terry Lee Karpinski, Columbus  
 Erin Teresa Kavanaugh, Plain City  
 William Carl Keffer, Mansfield  
 James Mark Keipper, Portsmouth  
 Lisa Anne Kestler, Coshocton  
 Martha Joan Kirsch, Brookfield  
 Neil Martin Klatskin, Tenafly, N. J.  
 Audrey H. Klein, Cleveland  
 Jefferey William Koch, Columbus  
 James David Kohls, Dayton  
 Steve P. Korb, Westerville  
 Bonnie Sue Lashley, Lyndhurst  
 John Stratford Latimer, Jr., Waite Hill  
 Linda Marie Lewis, Wickliffe  
 Laurie Ann Lex, Hudson  
 Miao-Ling Li, Columbus  
 Gary Steven Losey, Wilmington  
 Randy William Lovell, Severina Park, Md.  
 Robert Otto Macek, Dayton  
 Stephen J. Macey, Toledo  
 Robert Douglas Magoto, Dayton  
 Joseph Michael Mahlie, Wintersville

## College of Administrative Science

Dean: H. Justin Davidson

### Bachelor of Science in Business Administration

Juan I. Acevedo, Columbus  
 Rodney Eugene Ackley, Lancaster  
 Richard Herman Ahlers, Cincinnati  
 Faiyaz Ahmed, Karachi, Pakistan  
 George Scott Alecusan, Canton  
 Edith Gaylord Allen, Galena  
 James Randy Allen, Ellicott City, Md.  
 Karen Ann Amico, Williamsville, N. Y.  
 Karen Lynn Ammons, Newark  
 Afkar Mohammed Amrany, Columbus  
 Ronald Richard Anderson, Columbus  
 Ronda Jean Anderson, Centerville  
 Kevin Lee Angelo, Columbus  
 Gregory Mark Anglin, Dublin  
 Brian Thomas Atwell, Newark  
 Kenneth Alan Auble, Ironton  
 Earle Frederick Augenstein, Grove City  
 John Glenn Baker, Willowick  
 John Jay Bebout, Hebron  
 Brett Alan Becker, South Euclid  
 Sara Lee Benson, Washington C. H.  
 Bruce Charles Berk, Columbus  
 L. Craig Berlin, Columbus  
 Brian Joseph Bernhard, Columbus  
 John Robert Bertsch, Akron  
 James Troy Bigham, Columbus  
 Jeffrey W. Bisker, Ashville  
 Jeffrey L. Boehm, Radnor  
 Paula Marie Bohn, Columbus  
 Brent Robert Bonecutter, Shelby  
 Charles Linn Booth, Kimbolton  
 Elizabeth Ann Brauner, Columbus  
 Eric Bradley Brooks, Perrysburg  
 Robin Drew Bryer, East Liverpool  
 David Curtis Calloway, Newark  
 Deborah Ann Carrel, Caldwell  
 Richard Allen Carwile, Columbus  
 Frederick S. Cavlovic, Mansfield  
 Mark Randall Chambers, Columbus  
 James Christopher Clark, Springfield  
 Jeffrey Lee Clevenger, Columbus  
 David Lenn Coco, Alliance  
 Cheryl Ann Cooper, Rocky River  
 Kelly Elizabeth Corbett, Sarasota, Fla.  
 Clifford Ashbrook Curtis, Galena  
 John Edwin Curtis, Cincinnati  
 Walter Drew Damron, Columbus  
 James Howard Davis, Jr., Columbus  
 Robert Gerard DeFazio, Hamilton  
 Philip Ross Derrrow, Columbus

### Bachelor of Science

Cynthia Eve Chibis, Mt. Gilead  
 Kerry L. Corthell, Columbus  
 Felicia Cassandra Crawford, Cleveland  
 Mary Louise Fraley, Garfield Heights  
 Thomas Alan Griesemer, Washington  
 Cynthia Jane Guest, Westerville  
 Debra Ann Herdman, Portsmouth  
 Thanaa Mohamed Khouloussi,  
 Beirut, Lebanon  
 Paula Marie Palmieri, Export, Pa.  
 Terrence Joseph Schoen, Toledo  
 Todd Alan Singer, Columbus  
 Robin Stedfeld, Berea  
 Robert Winter Stratton, Chagrin Falls  
 Lori Sue Truesdell, Toledo  
 Elizabeth Ann Vohs, Pittsburgh, Pa.  
 Joni Lynn Wallace, Columbus

### School of Journalism

#### Bachelor of Arts in Journalism

Karen C. Albers, Fairfax, Va.  
 Kimberly Jo Barth, Cincinnati  
 Robert Louis Benedetti, Columbus  
 Joni Rae Berry, Hilliard  
 Natalie Jane Carter, Warrensville Heights  
 Thomas Jay Cole, Logan  
 Lance D. Constien, Upper Sandusky  
 Laura Elizabeth Cox, Mt. Sterling  
 Kenneth M. Drenton, Columbus  
 Daniel Ferrara, Broadview Heights  
 Julie Colleen Ford, Columbus  
 Roger Allen Hedges, Springfield  
 Pamela J. Hinterachied, Reynoldsburg  
 Leigh A. Hone, Celina  
 Craig Stephan Jolley, Beaver Creek  
 Dana Anne LeCain, Dublin  
 Jan Nelson Lucas, Columbus  
 Rhonda B. Macy, Reynoldsburg  
 Mariann M. Main, Delaware  
 James Brian Murphy, Youngstown  
 Sandra Carolyn Myers, North Olmsted  
 Mark William Naegle, Columbus

David A. Maiberger, Columbus  
 Steven Gregg Maier, Columbus  
 Annie Mei-Mei Mak, Hong Kong  
 Michael F. Maloof, Columbus  
 Robert Alan Manning, Columbus  
 Billy Wilson Martin, Jr., Strongsville  
 Keith Allen Matthews, Lancaster  
 Ernest Brian McCallister, Elyria  
 James Kenneth McHugh, Toledo  
 David Brian McLaughlin, Wooster  
 Christopher Alan Merklin, Pittsburgh, Pa.  
 William Charles Miller, IV, Athens  
 Evan Ben Millman, Cincinnati  
 Janet Leah Mills, Kingsville  
 John Francis Molley, Canal Winchester  
 Donn Jean Moravick, St. Clairsville  
 Mark Allen Naberhaus, Cincinnati  
 Michael James Nann, Columbus  
 Devin Scott Needles, Fostoria  
 Edwin Ellsworth Newman, Jr., Leesburg  
 Marie Elaine Niese, Lima  
 George John Norik, North Royalton  
 Robert Bradley North, Wilmington  
 Elizabeth Ann Nuzum, Columbus  
 Jeffery M. Olszewski, Warren  
 Daniel F. Orvets, Youngstown  
 John Francis O'Toole, River Forest, Ill.  
 Carol Jean (Hall) Owens, West Lafayette  
 Paul Allen Palmer, Shoreview, Minn.  
 Christopher Brian Parham, Columbus  
 Kevin Ray Patton, Westerville  
 Timothy Dale Patton, Lima  
 Ellen Cecile Payer, Proctorville  
 Deborah Kay Pearson, Akron  
 Peter Theodore Pergins, North Canton  
 Jeffrey John Perry, Vancouver,  
 British Columbia, Canada  
 Audrey Ann Petruska, Westerville  
 Michael Charles Pettis, Sandusky  
 Sharon Jean Phelps, Granville  
 Nancy J. Picklap, Columbus  
 William David Pickrel, Dayton  
 Juliane Marie Pizzino, Solon  
 Mark Wilbert Poeppelman, Yorkshaire  
 Larry Steven Powell, Germantown  
 Colleen Jane Priest, Columbus  
 Linda Skinner Priestas, Columbus  
 Jeffrey F. Pritchard, Bucyrus  
 Debra Louise Pusecker, Dublin  
 Dean Max Rafeld, Ashland  
 David Michael Randall, Columbus  
 Jennifer Brinkman Reep, Columbus  
 Kay Linn Reinehr, Mt. Blanchard  
 Lee Owen Renner, Irwin  
 Socrates John Rettos, Coshocton  
 Nancy Marie Rubin, Mayfield Heights  
 Mark Stephen Sales, Uhrichsville  
 Prabdeep K. Sandhu, Columbus  
 Deborah Meese Schenk, Mansfield  
 Gregory Paul Schenk, Sylvania  
 Linda Lee Schmunk, Mansfield  
 Thomas E. Schodorf, Columbus  
 Theodore Pete Sergakis, Pickerington  
 Kent Leon Shaeffer, Westerville  
 Edward George Sharick, Columbus  
 Steven Lowell Shasky, Mansfield  
 Bryan Jay Shaver, Norwalk  
 Jeff David Sherman, Fredonia, N. Y.  
 Jackson Jay Short, Archbold  
 Thomas Laurence Showalter, Elyria  
 Kenneth Jerry Simko, Mentor  
 Kelly Sue Snyder, Mansfield  
 Kerry Earl Snyder, Lima

Gregory Paul Sohovich, Reynoldsburg  
 Kathryn Ann Spieldenner, Fremont  
 Thomas John Sprowls, Medina  
 Thomas Alan Stone, Gahanna  
 Susan Lynelle Stoner, Columbus  
 John Lee Streng, Marysville  
 Mary Agnes Suvar, Elyria  
 Linda Marie Sweeney, Columbus  
 Dave Norman Sweet, Salem  
 Kimberley Ann Swob, Troy  
 Shelly Sue Thomas, West Chester  
 Charmaine B. Thurman, Akron  
 Michele Renee Tiburzi, Tiltonsville  
 Tim L. Tosca, Ashville  
 Quan Phat Tran, Columbus  
 Brian Lee Treisch, Galion  
 Matthew Charles Tyser, Westerville  
 Walter Henry Vermeulen,  
 Trumansburg, N. Y.  
 Vaunda L. Vickio, Mansfield  
 Michael Alan Vieira, Lima  
 Ella Beatrice Vinson, Columbus  
 David M. Vivino, Hudson  
 Lou Doris Voelker, Painesville  
 Morgan W. Von Lohr, IV, Centerville  
 Britt Rodger Wadsworth, Sylvania  
 Jonathan Robert Wagner, Columbus  
 Melanie Denise Wagner-Gottberg,  
 Cincinnati  
 Edward Allen Walker, Hamilton  
 Marcia Lynne Waller, Columbus  
 William Thomas Weldon, Columbus  
 Sondra Lee Wellmerling, Worthington  
 Steven Marc Weston, Fairview Park  
 Carolyn E. White, Columbus  
 Doreen R. Whittaker, Worthington  
 Cheryl Ann Williams, Cleveland Heights  
 Thomas Edward Wilson, West Chester  
 Diana Kay Winegardner, Thornville  
 Mark A. Witchey, Columbus  
 Mark Donald Witiak, Columbus  
 Kirk Joseph Wuellner, Columbus  
 Karen Lynne Wymer, Columbus  
 Michael Scott Yankovich, Strongsville  
 Chih Joy Yeh, Taipei, Taiwan, R.O.C.  
 Douglas Kirk Yoho, Woodsfield  
 John Roger Yoho, Columbus  
 Leamon Dennis Young, Columbus  
 Steven Mark Zimmerman, Akron  
 Linda Joy Zovack, Massillon

### Bachelor of Science in Labor and Human Resources

Cindy Lou Adelstein, Shaker Heights  
 James Robert Callibbarri, Ashtabula  
 Melissa Jane Corry, Rocky River  
 Ronald R. Dodds, Bellefontaine  
 Edward Leonard Ostrowski, Jr., Campbell  
 Daniel Wayne Rankin, Columbus  
 Linda Rose Remley, Batavia

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

### Bachelor of Science in Agriculture

David Eugene Abfall, Avon  
 Nathan Lowell André, Wauseon  
 Frank Arata, Liberia, Costa Rica  
 Tina Marie Bachner, Cincinnati  
 Constance Leigh Baker, Columbus  
 John Phillip Balzer, Chillicothe  
 Jacquelyn Kay Banman, Willowick  
 Bruce Leonard Beadle, Akron  
 Harold Boggs, Jr., Galloway  
 Michael William Bolton, Trenton  
 Deborah Jean Boymer, Rocky River  
 David John Brinton, Chagrin Falls  
 Stephanie Mabel Bruegman, Midlothian, Va.  
 Allan Wayne Campbell, Bucyrus  
 Jeffrey Bryan Chapman, Gahanna  
 Jeffrey Allen Clapper, Zanesville  
 Pamela Sue Cline, Marysville  
 Jacqueline Ann Colegrove, Ironton  
 David Lee Cramer, Fostoria  
 Thomas Paul D'Avello, Akron  
 Cynthia Lynn Dye, Wilmington  
 Bruce Kevin Eberhard, Grove City  
 Steven James Engels, Columbus  
 Christopher Kevin Eschhofen, Bryan  
 Patricia Ann Fike, Ashland  
 Christine Marie Fisher, Prospect  
 Janice Sue Foster, Granville  
 Regina Marie Frankenberg, New Bremen  
 Robert Lee Fruth, Tiffin  
 Jeffrey Scott Gabric, Alliance  
 Randy Lee Gerber, Sabina  
 Helen Marie Golovin, Columbus  
 William Ernst Goos, Hamilton  
 Michael James Green, Pleasantville  
 Robert Bruce Gregg, Fredericktown  
 Anita Beth Grisham, Cincinnati  
 Jay Alan Hager, Spencerville  
 David Glen Haley, Mt. Vernon  
 Richard Lee Hannah, Chippewalk  
 Cindy Ann Hanning, Bozeman, Mont.  
 David Paul Hare, Akron  
 Krista Jean Hartman, Bay Village  
 Heidi Jane Haserodt, Novelty  
 Sandra Kay Heileman, Port Clinton  
 Christopher Jay Hicks, New Madison  
 Mel LaMar Hilborn, Morral  
 Dan Louis Huffman, Powell  
 David Owen Hull, Alliance  
 Claire Marie Jansen, Cincinnati  
 Thomas Paul Junglen, Stow  
 David Ellsworth Karda, Mentor  
 Wayne Dale Keltner, New Vienna  
 David Frank Kessler, Johnstown  
 Paul Jacob Kruger, Fonda, N. Y.  
 Robert P. Krysiak, Willowick  
 Robert Edward Lantz, Gates Mills  
 Theresa Suzanne Leist, Farmersville  
 William Donald Leist, Stoutsville  
 Kevin Kenneth Levstek, Brunswick  
 Lee Edward Mayes, Richwood  
 Philip Kent McChesney, Edison  
 Rebecca Lynn Melhorn, Zanessville  
 Diana B-H Mesi, Shaker Heights  
 Mary Beth Meyer, Cincinnati  
 Todd Walter Michael, Urbana  
 Mark Alan Miller, Louisville  
 Terrence Keith Morris, Cincinnati

Michael James Moudry, Findlay  
 Amy Louise Nold, Shelby  
 Linda Sue Norden, Napoleon  
 Mark David O'Shaughnessy, Cincinnati  
 Von Paul Price, Garrettsville  
 Paul Benson Ransom, Worthington  
 Donald Richard Reed, Belle Center  
 James Forrest Reed, Solon  
 Jeffrey B. Reis, Hamilton  
 Mark Allen Rettig, McClure  
 David Arliss Rittinger, Circleville  
 Lisa Marie Roby, Waterville  
 Kenneth Wayne Roe, Columbus  
 Tammy Lee Roll, Greenfield  
 John Frederick Schilling, III, Mt. Vernon  
 Nicholas Gale Schimmoeiler, Kalida  
 Richard Stanfield Schneider, Mt. Sterling  
 Dale Herman Shawk, Bucyrus  
 James Roy Silver, Wooster  
 Jennifer Ellen Slack, Marietta  
 Brent Alan Standridge, Columbus  
 Daniel Ray Stephens, Lancaster  
 Martin Christian Stosiek, Hillsdale, N. Y.  
 Daniel Lee Uher, Warsaw  
 Boyd William Wallbrown, Deerfield  
 Pat Rick Whittington, Sabina  
 Bruce Alan Wiley, Canfield  
 Thomas Leslie Wittich, Mt. Sterling  
 Thomas Michael Wood, Worthington

### Bachelor of Science in Food Science

Ingrid Amellia Howard, Akron

### School of Home Economics

#### Bachelor of Science in Home Economics

Rebecca Ann Aldrich, Sandusky  
 Stacie Jean Bornhorst, Fort Loramie  
 Laura Beth Carr, Newark  
 Diane McMillan Cipollo, Columbus  
 Mary Christine Corcoran, Chillicothe  
 Cathleen Susan Cummin, Kettering  
 Michelle Darlean Dennis, Trotwood  
 Regina Ann Dukes, Enon  
 Rebecca Young Elliott, Worthington  
 Ellen Ruth Emerman, Columbus  
 Joan Dickas Flanagan, Columbus  
 Mary R. Hammer, Doylestown  
 Kim Ellen Hausser, Worthington  
 Diane Kay Hertlein, Martinsville  
 Kari C. Hill, Columbus  
 Julijana Jana Kos, Mansfield  
 Elizabeth A. Lennon, Columbus  
 Evgenia Leontaridis, Westerville  
 Michele Renee Lynch, Columbus  
 Ginni Sue Malin, Beachwood  
 Sandra Ann Miller, North Olmsted  
 Monica Sue Nathan, Cincinnati  
 Pamela Sue Nelson, Columbus  
 Stephen R. Neumann, Akron  
 Kathy Lynn Richey, Reynoldsburg  
 Susan K. Ritter, Middletown  
 Janet Raitt Russack, Columbus  
 Nancy Rae Schaible, Wooster  
 Lorraine M. Schmidt, Columbus  
 Mary Catherine Shower, Columbus  
 Patricia Ann Sloat, Akron  
 Sheila Carmelle Smith, Columbus

Suzanne Pittman Suppes, Worthington  
 Diane Marie Uhlenhake, St. Henry  
 Mary A. Wagner, Edison  
 Pamela Kay Weeks, Pleasant Hill  
 Patricia Linn White, Columbus

#### Bachelor of Science in Restaurant Management

Robert Raymond Friedrich, Strongsville  
 Richard Lynn Fritz, Berea  
 Daniel Lynn Woodard, Dayton

### School of Natural Resources

#### Bachelor of Science in Natural Resources

Jon Robert Appleman, Wooster  
 Regina Rae Baird, Columbus  
 Russell Homer Barbee, Jr., Hilliard  
 Mark Sever Baumhardt, Centerville  
 Ellen Coombs Bogardus, Columbus  
 James Bruce Cardwell, Milan  
 Jeffrey Phillip Cummons, Lakeview  
 Dennis Francis Desmond, Cleveland  
 Laurel Lynn Devaney, Hilliard  
 Fred Ben Fallon, Worthington  
 Paul Steve Haley, Mt. Vernon  
 James Jeffrey Heck, Columbus  
 Mary Barbara Henterly, Columbus  
 James Theodore Jackson, Hamilton  
 Donald Raymond Johnson, Cincinnati  
 Steven Joe King, Findlay  
 John Paul Kozloski, Worthington  
 Penny Patterson Leedle, Columbus  
 Rickey Nelson Lockhart, Willoughby Hills  
 Gary Allen Ludwig, Adena  
 Patrick Michael McKinney, Marion  
 William Thomas Norman, North Canton  
 Kevin Gerard O'Grady, Columbus  
 Perry Jon Orndorff, Sandusky  
 Bruce Patrick, Whitehall  
 Lois Jean Sherrick, Ashland  
 Deborah Schumann Thompson, Columbus  
 John Christopher Tippie, Reynoldsburg

## Agricultural Technical Institute-Wooster

#### Associate in Applied Science

Leslie Dawn Apgear, Columbus  
 Dean Kenneth Balduff, Castalia  
 Wayne Alan Becker, Ottoville  
 Dennis Lloyd Begg, Bluffton  
 David Mark Bell, Mansfield  
 Rachel Dalton Boyer, Bowling Green  
 Thomas Reber Bright, Delaware  
 Dana Jon Bumgardner, Westerville  
 Daniel Jay Connelly, Rocky River  
 Norman Charles Dresbach, Circleville  
 Thomas Moore Emmett, Richfield  
 Daniel Joseph Gale, Lakewood

Bruce Melvin Gallaher, South Point  
 Timothy Sherdain Giltner, Delaware  
 James Ernest Hummel, Canal Winchester  
 Marc Darrell Hummann, Columbus  
 Gary William Inkel, Fairview Park  
 Scott Arthur Kessler, Valley City  
 Russell Jay King, Harrod  
 Michael Larry Kocher, Galion  
 David Paul Kreidler, Sandusky  
 Kimberly Sue Laverly, Bay Village  
 Cheryl Ann Martin, Mentor  
 Tricia Ann McMaken, Tippy City  
 Harry Connelly McWilliams, Bellevue  
 Claire Denise Meggyesy, Wooster  
 Anne Florence Nichols, Olmsted Falls  
 Kevin Lee Noble, Westerville  
 Danette Tanya Pitts, Parma  
 Lucinda Elizabeth Schrader, Cuyahoga Falls  
 Brenda Sue Schroeder, Bradner  
 Craig Alan Shafer, Geneva  
 Mark Edward Smith, Salem  
 Charles Patrick Spatz, Trotwood  
 Gregory Allan Spencer, North Royalton  
 Gary Lee Ulmer, Galion  
 Sharon Joanne Washington, Columbus  
 Todd Jeffrey Weiland, Bellevue  
 Thomas Alan Wheeler, Grove City  
 Kristi Kay Wolfe, Sabina

## College of Dentistry

Dean: William R. Wallace

#### Doctor of Dental Surgery

Carl Albion Gaston, East Liverpool  
 B.A. (Case Western Reserve University)

## College of Education

Dean: Robert A. Burnham

#### Bachelor of Science in Education

Bernice Kay Adams, Findlay  
 Anne Rodier Allaby, Columbus  
 Laura Carol Allgire, Bucyrus  
 Sharon C. Alloway, Columbus  
 Beth Amber, Delaware  
 Morgan Robert Asemann, Columbus  
 Linda Jane Babbert, Worthington  
 Allyson J. Baker, Canfield  
 Anna Maria Barnt, Spencerville  
 Mark Thomas Barr, Columbus  
 Bonnie Christopher Bates, Columbus; B.S.  
 Carol Jene Beebe, Columbus; B.A.  
 Sally Jo Beidler, Marion  
 Laura Suzanne Beighley, Westerville  
 Karen Sue Benedict, Blacklick  
 Thomas Vincent Bensman, St. Marys  
 William Richard Bremer, Newark  
 Scott Edward Browning, Loudonville  
 Joyce Ann Bryant, Hamilton

Janice Marie Butler, Pickerington  
 Jennifer Lynn Caster, Columbus  
 Tamera Sue Cellar, Delaware  
 Beth Fair Cleckner, Barberton  
 Anita S. Clymer, Findlay  
 Linda King Courlas, Columbus  
 Sharon Anne Crowe, Dublin  
 Colleen Elizabeth Cunningham, Chillicothe  
 Robert Vincent Darst, Zanesville  
 Karen Bowen Davis, Mt. Gilead  
 Michael Andrew Davis, Columbus  
 Beverly Alice Dean, Grafton  
 Debra Susan Delgado, Columbus  
 Amy Lynn Dishong, Chagrin Falls; B.A.  
 Dan L. Edwards, Van Wert  
 James Frederick Ferrell, Zanesville  
 Laura J. Parker Flaherty, Columbus  
 Linda Skoglund Fryman, Cardington  
 Peggy Lou Gavin, Columbus  
 Teresa Lynn Glosser, Marion  
 Gayla Lynn Grant, Brilliant  
 Dianne Dusenbery Griffin, Reynoldsburg  
 Juanita Kaye Hahn, Lexington  
 Molly Jo Hamrick, Circleville; B.S.  
 Carla Sue Harris, Columbus  
 Kimberly Ann Henderson, Columbus  
 Randall Earl Hendricks, Columbus  
 Nanette Sue Henkel, Galion  
 Margaret Rose Henning, Shelby  
 Patricia Wright Heuberger, Mansfield  
 Connie Marlain Hilty, Upper Sandusky  
 Paula Marie Holmberg, Columbus  
 Rodney Gordon Hopton, Shelby  
 Karen Lynn Horn, Columbus  
 Randal Dean Howett, Brookville  
 Anna Mae Huntley, LaRue  
 Deborah Suzette Ideman,  
 Green Mt. Falls, Colo.  
 Allen Timothy Jarrett, Sandusky  
 Patricia Lynn Johnson, Ashland  
 Robert Michael Kelsik, Fairview Park  
 Clyde Stephen Keltner, Delaware  
 Kirk Douglas Knox, Columbus  
 Jennifer Lynn Kocher, Cardington  
 Jerri Longworth Kohlhorst, Elida  
 Marti Deneanne Kolb, Newark  
 Jill Renee Kurtz, Beallsville  
 Michelle LaFountaine, New Philadelphia  
 Bonnie Sue Lahey, Bay Village  
 Bryan Reid Larimore, Gahanna  
 Eileen Frances Lloyd, Brentwood, N. Y.  
 Rosalind Jayne Loshuk, Girard  
 Anita Peters Marcus, Columbus  
 Jean Marie Mavko, Madison  
 Margaret Jean McElligott, Findlay  
 William F. McKinney, Columbus  
 Carolyn Sue McLaughlin, Sandusky  
 Kathleen Louise McLinn, Columbus  
 Jacqueline Ann Metzger, Shelby  
 Eric Crawford Miller, Springfield  
 Thomas Wesley Mitchell, Akron  
 Lea Marie Montgomery, Thornville  
 Thomas Steven Motka, Columbus  
 Rebekah Achungo Munala,  
 Kenya, East Africa  
 Jerri Ann Nieberding, Lakewood  
 Cheryl Ann Noble, Toledo  
 Joan DeNezzo Ottolenghi, Worthington  
 Todd DuWayne Penn, Columbus  
 Gary Michael Pomeroy, Columbus;  
 B.A. (Davidson College)  
 Mary Catherine Poulos, Columbus  
 Nancy Jean Pritchett, Worthington  
 Gary Andrew Rawson, Columbus  
 Sherri Lynn Reilly, Westlake  
 Kathleen Louise Rhine, Lima

Kathryn Jean Richison, Columbus  
 Michael Henry Rode, Toledo  
 Pamela Sue Rowland, Bucyrus  
 Sharan Anne Royer, Akron  
 Susan Marie Rysavy, Columbus  
 Leslie Lynne Sachs, Columbus  
 Nancy Nichols Savage, Columbus  
 Judith Ann Schieber, Leipsic  
 Anne Spangler Sells, Marion  
 Lynne Marie Shields, Sheffield Lake  
 Kathleen Rae Smith, Westerville  
 Deborah Lynn St. Clair, Columbus  
 Daniel Robert Stevens, Worthington  
 Terese Ellen Stolarski, Bexley  
 Joyce Ann Stranges, Whitehall  
 MaryEllen Swartz, Dayton  
 Lynnette Victoria Sydnor, Cleveland  
 Debra Kay Taylor, New Albany  
 Kimara Jo TenEyck, Bucyrus  
 Susanne Elizabeth Tilmans, Fairborn  
 Karen A. Tompkins, Gahanna  
 Joseph Adam Tressey, Warren  
 Robert Edwin Vadas, Columbus  
 Richard Peter VanDyke, Columbus  
 Paul Vitartas, Columbus  
 Steven James Walters, Columbus  
 Joyce Leslie Wasela, Lorain  
 John Jeffery Weddendorf, Westerville  
 Ronda Leiola Westbrook, New Albany  
 Brad Lee Weston, Greenville  
 Denise Gail Whitehead, Trotwood  
 Debra M. Wilson, Circleville  
 Mary Jane Winner, Kenton  
 Brian Leslie Wolfe, Lucasville  
 Marcy Beth Zide, Cleveland  
 Paul Joseph Zock, Warren

**Bachelor of Art Education and  
 Bachelor of Music Education**  
 degrees are offered jointly by the  
 College of the Arts and the  
 College of Education.

Candidates are listed under  
 College of the Arts.

## College of Engineering

Dean: Donald D. Glowor

### Bachelor of Science in Aeronautical and Astronautical Engineering

Donna Lynn Burggraf, Upper Arlington  
 Jeffrey Wayne Cole, Virginia Beach, Va.  
 Thomas Michael Kuhns, Jr., Columbus  
 Michael James Lawler, Dayton  
 Mark Steven Miller, Columbus  
 Patrick Dennis Quinn, Fort Wayne, Ind.  
 Richard Byron Stewart, Vandalia  
 Richard William Willis, Columbus  
 Mark Matthew Wiseman, Medina  
 William Anthony Wrobel, Waldo  
 Ronald James Zaguli, Columbus

### Bachelor of Science in Agricultural Engineering

Ronald Eugene Bowers, Bowerston  
 Dean Ward Dayton, Hillsboro  
 Steven Lawrence Keith Tuttle,  
 Sagamore Hills

### Bachelor of Science in Ceramic Engineering

Paul H. Bambeck, Dover  
 Joseph A. Bruening, Chesterland  
 Charles Duffy, Woodsville  
 Dennis Michael Guzik, Totowa Boro, N. J.  
 Gregory Paul Joyce, Akron  
 Don Jeremy Roth, South Euclid

### Bachelor of Science in Chemical Engineering

Jeffrey Curtis Elais, Middletown  
 Michael Lee Kochersperger, West Milton  
 Jeffrey Harold Yanof, Toledo

### Bachelor of Science in Civil Engineering

Steven Kenneth Baum, Duval  
 James Ronald Beitel, Columbus  
 Robert W. Blakeman, Blacklick  
 Brian Francis Casey, Columbus  
 Walter Bartlett Curtis, Columbus  
 Lawrence James Fridrich, Cleveland  
 Larry Ralph Gaddis, Cincinnati  
 David Joseph Humphrey, Columbus  
 J. Christopher Mulholland, Columbus  
 Molly Elizabeth Obrien, Kettering  
 Muhammad Usman Riaz, Lahore, Pakistan  
 Babak Chaharsough Shirazi, Tehran, Iran  
 Charles Douglas Valz, Milford  
 Bryon Lee Willoughby, Richmond Dale

### Bachelor of Science in Computer and Information Science

Mark Allen Courson, Clarion, Pa.  
 Ricky Royce Fender, Columbus  
 Tony Nelson Gossard, Lima  
 Alan Frederick Hartman, Columbus  
 Nouney Anom Hill, Jamaica, N. Y.  
 Lisa Ellen Jackson, Bloomingburg  
 James Kevin Koelkebeck, Bainbridge  
 Kenneth Allen Kuttler, Middleburg Heights  
 Richard Dale Lynn, Dallas, Tex.  
 Robert Leslie McCoy, Columbus  
 Jerome Andrew Mulner, Lorain  
 Victor Thomas Nader, Zanesville  
 Richard Kent Neer, East Liverpool  
 Mitchell Peter Pappas, Sandusky  
 Craig Alan Prall, Belle Center  
 Lori Elizabeth Schultz, Westerville  
 Charles Wilson Staples, Marion  
 Kelly Ann White, Seven Hills

### Bachelor of Science in Electrical Engineering

Craig Martin Arndt, Cleveland  
 Peter Anthony Barany, Portsmouth  
 Christopher Alan Bassett, Dayton  
 Bradley Patten Benford, Findlay  
 Michael Kevin Brown, Columbus  
 Robert Kuo-wei Chen, Upper Arlington  
 Allan James Crabill, Cincinnati  
 Brian Thomas DeWitt, Lyndhurst  
 David Thomas Dukovic, Reynoldsburg

Kris Martin Fraley, Columbus  
Barbara A. Hall  
David Allen Huddlestone, Zanesville  
John Calvin Katzendorn, Columbus  
Phillip Arthur Kean, Hartstown  
Steven Ernest Keller, Hamilton  
David Mark Kollm, Fairview Park  
James Alan Kroeger, Worthington  
Anthony Alexander Maciejewski, Cleveland  
Michael Lynn Patterson, Reynoldsburg  
Jeffrey Carl Price, McConellsville  
Michael Alan Radigan, Cleveland  
Sudhir Rao, Columbus  
Edward Gordon Rice, Corning, N. Y.  
David Lee Searles, Columbus  
Abdussalam Hadi Sheikh, Tripoli, Libya  
Dennis Alan Shoulders, Cleveland  
Deborah Ann Shutts, Grafton  
Jeffrey Dean Vance, Milford  
Thomas Carl Wallenhorst, Mt. Healthy  
Michael Gene Weyant, Troy  
Larry Keith Woolums, Lees Creek  
Kenneth Scott Wyman, South Euclid

### **Bachelor of Science in Industrial and Systems Engineering**

Deborah Ann Armeni, Salem  
William Edward Bartos, Richfield  
Tony Han-Kan Chau, Monterey Park, Calif.  
Jeffrey Lynn Craig, Beaverreeck  
Douglas Kent DeLong, Ashland  
Terry Eugene Emerine, Fostoria  
John Ward Finta, Warren  
Richard Anthony Garnett, Middletown  
Keith Richard Hoover, Bradford  
Doris Elizabeth Korda, Dublin  
Carol Ann Kreim, Newark  
Gretchen Poettgen Lizza, Springfield  
Laurie Jean Loomis, Columbus  
Daniel A. Lukjanczuk, Conneaut  
David Craig Schiltz, Columbus  
Michael Frank Theeck, Carleton, Mich.  
Maria Vanadia, Parma Heights  
Wendy Lou Wirth, Middleburg Heights  
Steven Michael Wolff, Columbus

### **Bachelor of Science in Mechanical Engineering**

Menachem Amir, Ramat-Gan, Israel  
Steven C. Bell, Westerville  
Mark William Benoit, Cincinnati  
Kevin Robert Boyne, Columbus  
Bruce William Brayshaw, Miamisburg  
Donald Herbert Bredbeck, Akron  
Robert Esley Broderick, Fort Worth, Tex.  
Paul Alan Burgener, Chesterland  
Dale Douglas Carpenter, Brilliant  
Dan Tillman Cox, Columbus  
Jeffery David Deerhake, Lima  
Robert Joseph Farmelo, Columbus  
Jeffrey John Fulgham, Columbus  
Rudolph Herman Helle, III, Millersport  
Lucky Hionides, Canton  
William Harold Kiracofe, Lima  
John Joseph Laughlin, Camp Hill, Pa.  
Kenneth Duane Lefton, Cleveland Heights  
Steven R. Manwaring, Troy  
David Bastian Marshall, Columbus  
Glenda L. Mayfield, Akron  
Terry Lynn Merriman, Circleville  
Theodore Evans Miller, Cuyahoga Falls  
Kris Joseph Modlich, Columbus

Matthew Louis Moulds, Columbus  
Glen Prater, Jr., Plain City  
David Anthony Schmenk, Miller City  
Gary Steven Shapiro, Lyndhurst  
Kathryn Elizabeth Stanton, Columbus  
Russell Erling Urzi, Dayton  
Jonathan Edward Uszak, Lorain  
George Robert Wetterer,  
Cincinnati Reading  
Thomas Joseph Willis, St. Petersburg, Fla.  
Mark William Wood, Columbus

### **Bachelor of Science in Metallurgical Engineering**

Michael James Armeni, Salem

### **Bachelor of Science in Mining Engineering**

Peter Clinton Kelley, Jr., Martins Ferry

### **Bachelor of Science in Surveying**

James Edward Peterson, Pulaski, N. Y.

### **Bachelor of Science in Welding Engineering**

William Hugh Hatcher, Kenton  
Israel Shabtai, Columbus

### **School of Architecture**

#### **Bachelor of Science in Architecture**

Brian James Goodall, Mansfield  
Katherine Elaine Guss, Columbus  
Sanaa Youssef Tobah, Cairo, Egypt

#### **Bachelor of Science in Landscape Architecture**

Bruce Randolph Moody, Columbus

## **College of Medicine**

Dean: Manuel Tzagournis, M.D.

#### **Doctor of Medicine**

Patrick Brian Doyle, Columbus  
B.A. (Capital University)  
Robert Huson Hunsaker, Dayton  
B.A. (Wittenberg University)  
Wyndham George Mortimer, Springfield  
B.S.

Melvin Wilson Thomas, Cleveland  
B.A. (Oberlin College)  
Douglas Craig Wallace, Grove City  
B.A. (Capital University)  
Kent Emerson Wallner, Lakewood  
B.A. (Miami University)

## **School of Allied Medical Professions**

#### **Bachelor of Science in Allied Health Professions**

Barbara Koczarski McNair, Columbus

## **School of Nursing**

#### **Bachelor of Science in Nursing**

Pamela Gail Jackson, Cleveland  
Betsy Hope Neckrich, Grosse Ile, Mich.

## **College of Optometry**

Dean: Frederick W. Hebbard

#### **Doctor of Optometry**

David Brian Fritz, Warren

## **College of Pharmacy**

Dean: Albert H. Soloway

#### **Bachelor of Science in Pharmacy**

Marion Kyle Cockerill, Washington C. H.  
Lori Ater Coppel, Chillicothe  
Carol Jean Damian, Columbus  
Mark Oliver Durrant, Akron  
Becky Sue Fultz, Middleport  
Mark Alan Hadley, Harrod  
Paula DeAnne Henry, St. Clairsville  
Donna Louise Holmes, Coshocton  
Karen Kiplinger Hostler, Ashland  
Margaret Ann Hugg, Columbus  
Bill Hale Jerrels, Columbus  
Karen Lee Kennedy, Cambridge  
Jeffrey Leonard Long, Haysville  
Terrence Kent Malone, Greenhills  
David James Marsico, Niles  
Michael Alan Smith, Columbus  
Linda Ann Taksa, Washington, Pa.  
Mark A. Terpylak, Strongsville  
Kenneth Alan Tolliver, Monroe  
Arch Joseph Weber, Columbus  
Jennifer Lynne Wharton, Columbus

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Anita Louise Marshall-Gallick, Tiffin

## Graduates with Honors

Criteria for graduates with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

**Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

#### With Distinction in Agricultural Education

Christine Martha Fisher

#### With Distinction in Environmental Education

Elle Coombs Bogardus

#### With Distinction in Environmental Interpretation

Mary Barbara Henterly  
Patrick Michael McKinney

#### With Distinction in Mechanical Engineering

Terry Lynn Merriman

#### With Distinction in English and with Honors in the Liberal Arts

Laurie Beth Wessely

#### With Honors in the Liberal Arts

Julie Colleen Ford  
Debra Ann Herdman  
John Milton Jones  
Deborah Lynn Rogal  
Robin Stedfeld

## Cum Laude

Linda Jane Babbert  
Raymond Anthony Bannan  
Tina Marie Baehner  
Wayne Alan Becker  
Stacie Jean Bornhorst  
John Phillip Bolger  
Eric Bradley Brooks  
Michael Kevin Brown  
Charles Richard Buchanan  
Paul Raymond Cieslak  
Beth Fair Clechner  
Lori Ater Coppel  
Linda King Courlas  
Jennifer Lynn Dowling  
Dan L. Edwards  
Connie Sue Gaib  
Virginia Hardison Girard  
Michael Dale Gwinn  
Thomas K. Harrington  
Karen Kiplinger Hostler  
Daniel Scott Kaiser  
Patricia Ann Kaiser  
Russell Jay King  
Jennifer Lynn Kocher  
Michael Larry Kocher  
Bryan Reid Lalmore  
Lea Marie Montgomery  
Patricia I. Patterson  
Nancy J. Picklap  
Mark Wilbert Foepfelman  
Janet Raitt Russack  
Judith Ann Schieber  
Lucinda Elizabeth Schrader  
Jeff David Sherman  
Lynn Marie Shields  
Todd Alan Singer  
Michael Frank Theeck  
Gary Lee Ulmer  
Richard Scott Urban  
Sondra Lee Wellmerling  
Windy Lou Wirth

#### Cum Laude with Distinction in Animal Science

Janice Sue Foster

## Summa Cum Laude

Anne Rodier Allaby  
Laura Carol Allgire  
Charles Linn Booth  
Diane McMillan Cipollo  
Robert K. Chen  
Kerry L. Corthell  
Brian Thomas DeWitt  
Charlotte E. Green  
David Allen Gurwin  
Alan Frederick Hartman  
Constance Louise Kahle  
Carol Ann Kriem  
Anthony Alexander Maciejewski  
Linda Sue Norden  
Amy Irene Palm  
Glen Prater, Jr.  
Don Jeremy Roth  
Deborah Meese Schenk  
Vaunda L. Vickio  
Mary Ann Wagner  
Mary Jane Winner

## Summa Cum Laude with Distinction in Parks and Recreation Administration

Lois Jean Sherrick



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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-EIGHTH MEETING  
OF THE BOARD OF TRUSTEES

Lima, Ohio, April 2, 1982

The Board of Trustees met at its regular monthly meeting on Friday, April 2, 1982, at The Ohio State University Lima Campus, Lima, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

April 2, 1982 meeting, Board of Trustees

The Vice Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 9:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, John D. Jacob, D. James Hilliker, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 12:15 p.m. with Chester Devenow, Chairman, presiding.

### RESOLUTIONS IN MEMORIAM

Resolution.No. 82-87

*Synopsis: Resolutions honoring the service of two of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Smith, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Wallace E. Anderson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 28, 1982, of Wallace E. Anderson, Associate Professor in the Department of Philosophy.

Professor Anderson was born in 1931 near Staples, Minnesota. He attended Macalester College and upon graduation in 1953 (cum laude), attended Chicago Theological Seminary for one year. He was married in 1954 and went on to the University of Minnesota where he received the M.A. in 1958 and Ph.D. in 1961. He taught at the University of Florida from 1958 to 1961, joining The Ohio State University's Department of Philosophy in 1961.

During his 21 years at Ohio State, Professor Anderson served on numerous department and University committees. He was especially committed to the development of our library resources and headed the department Library Committee for a number of years. He taught and published primarily in 17th and 18th century philosophy, and in American philosophy. His writing dealt with problems of metaphysics, perception, and the history and philosophy of science. He edited a volume of the Yale University Press edition of the works of Jonathon Edwards, contributing a number of lengthy and scholarly introductions to Edwards' scientific and philosophical writings.

Professor Anderson's research has been supported by the National Endowment for the Humanities, the Southern Fellowships Foundation, and The Ohio State University. He

April 2, 1982 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Wallace E. Anderson (contd)

belonged to a number of professional and public service organizations, including the American Philosophical Association, the Society for 18th Century Studies, the Columbus Area Civil Rights Council, the United Nations Organization, and groups which supported the musical and cultural institutions of Columbus.

On behalf of the University community, the Board of Trustees expresses to the family its deep sympathy and sense of understanding at its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy in their bereavement.

Mary Jane Loomis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 8, 1981, of Mary Jane Loomis, Professor Emeritus in the Academic Faculty of Early and Middle Childhood Education.

Mary Jane Loomis was born in 1904 in New Philadelphia, Ohio. She attended Goucher College, Baltimore, Maryland, and received her B.S.Edu., M.A. and Ph.D. degrees at The Ohio State University. She taught several years in New Philadelphia, Ohio. She was an associate of the *Columbus Citizen* and taught at the School For the Handicapped Children in Columbus.

In 1936 she joined the faculty at the University School and College of Education at OSU and continued there until her retirement. She was a Professor Emeritus in Early and Middle Childhood Education.

While at OSU, she was an active member of the Association for Childhood Education International organization and served in various capacities. For many years, she contributed articles to the journal, *Childhood Education*, and served one term on the journal's editorial board. She also was a member of the Association for Supervision and Curriculum Development and contributed to the organization's magazine. She served on the association's Yearbook Committee that prepared the ASCD 1962 Yearbook, titled: *Perceiving, Behaving, Becoming: A New Focus for Education*. She received an award of merit for her years of service to the organizations.

She was a member of Pen Women in Ohio and received recognition for her book, *The Pre-adolescent*, published in 1959.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding at its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy in their bereavement.

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April 2, 1982 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD**

Resolution No. 82-88

*Synopsis: Confirmation and approval of nominees to the University Hospitals Board is proposed.*

WHEREAS the Board of Trustees on November 30, 1979, approved the establishment of a University Hospitals Board; and

WHEREAS the membership of the Board was approved on April 4, 1980; and

WHEREAS it was stipulated that "The Hospitals Board shall be comprised of three members of the University Board of Trustees and twelve other persons, selected from the general public who shall be appointed by the University Board of Trustees in consultation with the President"; and

WHEREAS the present terms of four members selected from the general public and the terms of the three members from the University Board of Trustees expire on April 30, 1982:

NOW THEREFORE

BE IT RESOLVED, That the following nominees be approved as general public members of the University Hospitals Board for a term of three years, effective May 1, 1982:

Arthur I. Vorys  
John Hodges  
Frank Lomax  
Freida I. Shirk

and

BE IT FURTHER RESOLVED, That the following three members of the University Board of Trustees be confirmed for membership on the University Hospitals Board for the term, May 1, 1982, through April 30, 1983:

Daniel M. Galbreath  
D. James Hilliker  
Edmund C. Redman

Upon motion of Mr. Havens, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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April 2, 1982 meeting, Board of Trustees

**NAMING OF HOYT SHERMAN GALLERY**

Resolution No. 82-89

*Synopsis: The gallery located in Sullivant Hall be named The Hoyt Sherman Gallery.*

WHEREAS Professor Hoyt L. Sherman was recognized as an outstanding contributor to the discipline of art; and

WHEREAS Professor Hoyt L. Sherman's accomplishments extended through a variety of disciplines; and

WHEREAS the many grateful students who studied under Professor Sherman are found in all parts of the country:

NOW THEREFORE

BE IT RESOLVED, That the gallery located in Sullivant Hall be named The Hoyt Sherman Gallery.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DATE CHANGE FOR IMPLEMENTATION OF UNCONDITIONAL ADMISSION  
TO THE OHIO STATE UNIVERSITY**

Resolution No. 82-90

*Synopsis: Date change for implementation of unconditional admission to The Ohio State University is being proposed.*

WHEREAS the Board of Trustees announced on September 4, 1981, the intent of The Ohio State University to grant unconditional admission in Autumn 1983 to those students completing a college preparatory curriculum in high school; and

WHEREAS the University Senate at its meeting of March 13, 1982, defined that curriculum which will best prepare students to undertake and succeed at university level study; and

WHEREAS the Council on Academic Affairs and Council on Admission and Registration, together with numerous individuals and high school administrations, have asked that implementation of the unconditional admission policy be delayed until Autumn 1984 in order to allow an efficient and appropriate transition period; and

WHEREAS implementation of this policy in 1984 will allow time for better articulation with the high schools and students who will be affected:

April 2, 1982 meeting, Board of Trustees

**DATE CHANGE FOR IMPLEMENTATION OF UNCONDITIONAL ADMISSION  
TO THE OHIO STATE UNIVERSITY (contd)**

NOW THEREFORE

BE IT RESOLVED, That the effective date for implementation of Board Resolution Number 82-18 be Autumn Quarter 1984 instead of Autumn Quarter 1983.

Upon motion of Mr. Smith, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-91

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Changes in Title; Reappointment of Principal Administrative Officials; Reappointment of Chairmen of Academic Faculties, Departments, and Divisions, and Director of School; Medical Staff Appointments; Leaves of Absence Without Salary; Professional Improvement Leaves; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the March 5, 1982 meeting of the Board, including the following Changes in Title; Reappointment of Principal Administrative Officials; Reappointment of Chairmen of Academic Faculties, Departments, and Divisions, and Director of School; Medical Staff Appointments; Leaves of Absence Without Salary; Professional Improvement Leaves; and Emeritus Titles as detailed in the University Budget, be approved.

Changes in Title

Name: CLIVE W. DONOHO  
Title: Acting Director, Ohio Agricultural Research and Development Center, and Professor, Department of Horticulture  
Effective: April 2, 1982  
Present Position: Associate Director, Ohio Agricultural Research and Development Center, and Professor, Department of Horticulture

Name: GEORGE R. GIST, JR.  
Title: Acting Director, Cooperative Extension Service, and Professor, Department of Agronomy  
Effective: April 2, 1982  
Present Position: Associate Director, Cooperative Extension Service, and Professor, Department of Agronomy



April 2, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Reappointment of Principal Administrative Officials**

ALBERT H. SOLOWAY, Dean of the College of Pharmacy, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

JAMES S. BIDDLE, Dean and Director of The Ohio State University Lima Campus, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

**Reappointment of Chairmen of Academic Faculties, Departments, and Divisions, and Director of School**

July 1, 1982 through June 30, 1986

Agricultural Education	J. Robert Warmbrod
Agricultural Mechanics (ATI)	Wayne Longbrake
Animal Industries (ATI)	Ronald Borton
Home Economics	Francille M. Firebaugh
Horticultural Industries (ATI)	Gary Anderson
Horticulture	Howard Rollins

July 1, 1982 through June 30, 1984

Dairy Science	Glen H. Schmidt
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July 1, 1982 through June 30, 1983

Educational Foundations and Research	*Elsie J. Alberty
Educational Administration	*Lonnie H. Wagstaff

\* Acting Chairman

**Medical Staff Appointments**

Effective July 1, 1973

Joseph Schlonsky, M.D.	Courtesy Staff in Surgery, Division of Orthopaedic Surgery	Clinical Instructor
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Effective July 1, 1979

Albert C. Clairmont, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.
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April 2, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff Appointments (contd)**

Effective July 1, 1981

Lester R. Mohler, M.D.	Courtesy Staff in Surgery, Service of Plastic Surgery	Clinical Assistant Professor
Ronald A. Naille, M.D.	Courtesy Staff in Surgery, Service of Plastic Surgery	Clinical Assistant Professor
H. William Porterfield, M.D.	Courtesy Staff in Surgery, Service of Plastic Surgery	Clinical Associate Professor
Blair D. Vermilion, M.D.	Courtesy Staff in Surgery, Service of General Surgery	Clinical Assistant Professor

Effective September 1, 1981

Linda James Myers, Ph.D.	Associate Staff in Psychiatry (Clinical Psychology)	Clinical Associate Professor
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Effective October 1, 1981

John E. Horton, D.D.S.	Attending Staff in Dentistry, Service of General Dentistry	Professor
Charles F. Johnson, M.D. Elaine Nemzer, M.D.	Attending Staff in Pediatrics Transfer from Limited Staff in Psychiatry, Service of Child Psychiatry, to Courtesy Staff in Child Psychiatry	Professor Clinical Assistant Professor
Nicolas Tsakalos, M.D	Limited Staff in Medicine, Service of Rheumatology (Fellow)	Clinical Instructor H.S.

Effective January 1, 1982

David K. Johnson, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.
Paul D. Kautz, M.D.	Limited Staff in Surgery, Service of Thoracic and Cardiovascular Surgery	Clinical Instructor H.S.

April 2, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff Appointments (contd)**

**Effective January 1, 1982 (contd)**

Douglas A. Kuperman, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
Thomas E. Lammertse, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.
Wyndham G. Mortimer, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
Kim Nicola, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
Kottil Walappil Rammohan, M.D.	Attending Staff in Medicine, Service of Neurology	Assistant Professor
Lewis Seeder, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.

**Effective February 1, 1982**

Melvin Wilson Thomas, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
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**Effective March 1, 1982**

Patrick Brian Doyle, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
John C. Jump, M.D.	Courtesy Staff in Physical Medicine and Rehabilitation	Clinical Assistant Professor
Douglas C. Wallace, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.

**Leaves of Absence Without Salary**

EDWARD P. J. CORBETT, Professor, Department of English, effective January 1, 1983 through March 31, 1983, to accept a visiting professorship at the University of Houston.

JOHN K. SHANK, Professor and Chairman, Academic Faculty of Accounting, effective October 1, 1982 through June 30, 1983, to accept a visiting professorship at the Amos Tuck School at Dartmouth College.

NORA CHING, Instructor, Department of East Asian Languages and Literatures, effective May 24, 1982 through June 12, 1982, to accompany an official trade delegation of the State of Ohio to China.

April 2, 1982 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

SUSAN ZAVOTKA, Instructor, School of Home Economics, effective October 1, 1982 through June 30, 1983, to pursue work on her Ph.D. degree.

#### Professional Improvement Leaves

B. CHANDRASEKARAN, Professor, Department of Computer and Information Science, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JAMES R. GAINES, Professor, Department of Physics, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

LESTER E. KRUEGER, Professor, Department of Psychology, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter, 1983.

DAVID J. LIM, Professor, Department of Otolaryngology, effective Summer Quarter 1982 and Autumn Quarter 1982.

JOSEPH J. PARNICKY, Professor, College of Social Work, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

THOMAS H. ROCKWELL, Professor, Department of Industrial and Systems Engineering, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

MICHAEL A. CHIPPERFIELD, Associate Professor, Department of Art, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JOHN D. HARDER, Associate Professor, Department of Zoology, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

THOMAS A. WOLF, Associate Professor, Department of Economics, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

#### Emeritus Titles

WILLIAM E. HURLEY, Academic Faculty of Management Sciences, with the title Professor Emeritus, effective July 1, 1982.

D. RANSOM WHITNEY, Department of Statistics, with the title Professor Emeritus, effective April 1, 1982.

RICHARD B. FARISON, Cooperative Extension Service, with the title Associate Professor Emeritus, effective May 1, 1982.

April 2, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

MARY JAYNE DOVENBARGER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1982.

Upon motion of Mr. Havens, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-92

*Synopsis: The reports on contracts, grants, and gifts and the summary for February are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of February 1982 be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR FEBRUARY 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	66	\$8,474,272.42
Engineering Experiment Station	48	578,494.00
Ohio Agricultural Research and Development Center	63	187,503.00
		\$9,240,269.42

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR FEBRUARY 1982 (contd)**

The Ohio State University Development Fund

Establishment of Named Funds

The Alec Parsons Scholarship in the College of Engineering (College of Engineering)	\$9,094.28
The Rudolf Kaebbling Memorial Research Fund in Psychiatry (Department of Psychiatry)	\$8,600.00
Endowed Program Fund in Cooperative Business Management (Department of Agricultural Economics and Rural Sociology)	\$7,500.00
The John T. Mount Fund for Post- Baccalaureate Study (Office of Academic Affairs)	\$6,500.00
The Buford M. and May Scott Teater Scholarship Fund (School of Natural Resources)	\$5,000.00

Change in Name and Description of Named Fund

From: The Donald E. Demkee Dental Scholarship Fund  
To: The Dr. Donald E. Demkee Wayne-Holmes County Scholarship Fund

Report from Presidents Club

Members to date	4,535
1982 members - year to date	16
New members - February 1982	8

New Presidents Club Members - February 1982

Christine D. Davis (Mrs. James R., Jr.)	Gary A. Matthews
Fredric A. Davis	Paul E. Slade
Robert H. Heinecke	Paul K. Wooster
Jacqueline K. Kloenne (Mrs. Frank J.)	Ronald J. Zeller

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

**\$4,633,895.00** - Department of Education, Office of Vocational and Adult Education, Washington, D. C., The National Center for Research in Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1982 through 15 January 1983. (Project 761008 - Continuation)

**\$790,000.00** - Department of Energy, Chicago Operations Office, Argonne, Illinois, High Energy Physics, Department of Physics (T. A. Romanowski, K. Reibel, N. W. Reay, N. R. Stanton, T. Y. Ling, H. P. Kagan, W. F. Palmer, K. Tanaka, K. D. Lane, S. S. Pinsky and W. W. Wada), 1 February 1982 through 31 January 1983. (Project 762116 - Continuation)

**\$216,663.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Southwest Oncology Group, Department of Medicine (S. P. Balcerzack), Department of Pathology (K. P. Clausen), Department of Surgery (J. P. Minton), and Department of Radiology (F. Batley), 1 January 1982 through 31 December 1982. (Project 761094 - Continuation)

**\$200,513.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagouris) and Department of Medicine (W. B. Malarkey), 1 December 1981 through 30 November 1982. (Project 761196 - Continuation)

**\$174,660.00** - Department of Education, National Institute of Education, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1982 through 31 March 1982. (Project 762530 - Continuation)

**\$166,800.00** - National Science Foundation, Washington, D. C., Rainfall Studies Using the Differential Reflectivity Radar Techniques, Department of Electrical Engineering (T. A. Seliga), 15 February 1982 through 31 December 1982. (Project 762445 - Continuation)

**\$114,989.00** - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 May 1982 through 30 April 1983. (Project 761608 - Continuation)

**\$106,894.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunity to Tumor - Localized, Chemically - Modified Drugs, Department of Pathology (R. F. Barth), 1 January 1982 through 31 December 1982. (Project 761801 - Continuation)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$104,750.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Role of Glycolipids in Glioma Resistance to Cytolysis, Department of Pathology (A. J. Yates), 1 February 1982 through 31 January 1983. (Project 762989 · New)

\$104,544.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunosuppressive Properties of Retrovirus Protein, Department of Veterinary Pathobiology (R. G. Olsen and E. A. Hoover), 1 February 1982 through 31 January 1983. (Project 762986 · New)

\$80,471.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Solution Structure of Ribosomal 5S RNA and 5.8S RNA, Department of Chemistry (A. G. Marshall), 1 January 1982 through 31 December 1982. (Project 762523 · Continuation)

\$68,685.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Vasoactive Intestinal Peptide in Diagnosis of Leukemia, Department of Medicine (M. S. O'Dorisio and T. O'Dorisio), 1 December 1981 through 30 November 1982. (Project 762499 · Continuation)

\$66,200.00 · Department of Energy, Chicago Operations Office, Argonne, Illinois, Development and Optimization of Methodologies for Analysis of Complex Hydrocarbon Mixtures, Department of Chemistry (R. J. Laub), 1 January 1982 through 31 December 1982. (Project 761982 · Continuation)

\$65,282.00 · National Science Foundation, Washington, D. C., Effect of Vegetation Roots on Slope Stability, Department of Civil Engineering (T. H. Wu), 15 January 1982 through 14 January 1983. (Project 762987 · New)

\$61,300.00 · National Science Foundation, Washington, D. C., An Analysis of Microstructure and Toughness of Ceramics, Department of Metallurgical Engineering (R. G. Hoagland), 1 January 1982 through 31 December 1982. (Project 762334 · Continuation)

\$60,000.00 · National Science Foundation, Washington, D. C., Analytical and Physicochemical Studies by Gas-Liquid Chromatography, Department of Chemistry (R. J. Laub), 15 February 1982 through 28 February 1983. (Project 762981 · Continuation)



April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$58,600.00 - National Science Foundation, Washington, D. C., Multiple Hydrogen Bonding, Department of Chemistry (J. Hine), 1 March 1982 through 28 February 1983. (Project 762996 - New)

\$56,900.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1981 through 30 November 1982. (Project 760022 - Continuation)

\$51,500.00 - National Science Foundation, Washington, D. C., Glacial Geological and Fossil Beetle Studies in Southern Argentina: A Climatic Reconstruction of the Last 15,000 Years, Institute of Polar Studies (J. H. Mercer), 15 January 1982 through 15 January 1983. (Project 762973 - New)

\$50,000.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson AFB, Ohio, Experimental and Theoretical Assessment of a New Technique for the Non-Destructive Evaluation of Adhesive Joints, Department of Engineering Mechanics (V. H. Kenner), 18 February 1982 through 30 September 1982. (Project 762999 - New)

\$47,470.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Model to Study Intra and Extrathymic Influences in Aging, Department of Anatomy (K. H. Jones), 1 March 1982 through 28 February 1983. (Project 762998 - New)

\$47,462.00 - National Science Foundation, Washington, D. C., Toward More Complicated Computer Imagery, Department of Computer and Information Science (F. C. Crow), 1 February 1982 through 31 January 1983. (Project 762017 - Continuation)

\$41,542.00 - National Aeronautics and Space Administration, Washington, D. C., The Role of Acid and Calcium Gradients in Gravitropism, Department of Botany (M. L. Evans), 1 March 1982 through 28 February 1983. (Project 763005 - New)

\$40,838.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Disease, Bethesda, Maryland, Short-Term Dietary Control of Liver Lipogenesis, Department of Food Science and Nutrition (J. B. Allred), 1 January 1982 through 31 December 1982. (Project 760592 - Continuation)

\$40,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies of the Distribution, Disposition and Metabolism of Antineoplastic Agents, College of Pharmacy (L. Malspeis), 1 February 1982 through 14 September 1982. (Project 761876 - Continuation)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$40,000.00 - National Science Foundation, Washington, D. C., Molecular Beam Studies of Reaction of Laser-Excited Metal Atoms with Gases Using Spectroscopic Detection of Products, Department of Chemistry (J. M. Parson), 1 March 1982 through 28 February 1983. (Project 762056 - Continuation)

\$38,467.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Experimentally Induced Mucoïd Enteritis in Rabbits, Department of Veterinary Preventive Medicine (F. Toofanian), 1 March 1982 through 28 February 1983. (Project 762041 - Continuation)

\$33,023.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Laboratory Reconstruction of Pedestrian Accidents, Department of Mechanical Engineering (D. A. Guenther), 1 January 1982 through 30 June 1982. (Project 762688 - Continuation)

\$31,817.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax Simulator, Department of Mechanical Engineering (D. A. Guenther), 10 February 1982 through 30 September 1982. (Project 762594 - Continuation)

\$29,900.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant, Rockville, Maryland, Ohio Sea Grant Internship, Center for Lake Erie Area Research (J. M. Reutter and C. E. Herdendorf), 1 February 1982 through 31 January 1983. (Project 762833 - Continuation)

\$24,000.00 - Department of the Air Force, Rome Air Development Center (AFSC), Griffiss AFB, New York, Advanced SATCOM ECCM Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 4 February 1982 through 30 September 1982. (Project 762948 - Continuation)

\$22,781.00 - Environmental Protection Agency, Washington, D. C., The Role of Environmental Temperature in Carcinogenesis, Department of Physiology (H. S. Weiss), 14 April 1981 through 13 April 1982. (Project 762133 - Continuation)

\$20,180.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Strain Differences in Herpes Keratitis and Labialis, Department of Medicine (M. F. Para), 16 February 1982 through 15 February 1983. (Project 763003 - New)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$19,973.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Develop a Communications Office and Cancer Information Services, Cancer Research Center (C. J. Cavalaris), 1 February 1982 through 31 March 1982. (Project 761352 - Continuation)

**\$19,100.00** - National Science Foundation, Washington, D. C., Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 1 July 1982 through 30 June 1983. (Project 762313 - Continuation)

**\$15,000.00** - Department of the Navy, Naval Research Laboratory, Washington, D. C., T-Matrix Analysis of Acoustic Wave Scattering by Finite Cylindrical Elastic Shells Immersed in Water, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 February 1982 through 30 April 1982. (Project 762839 - Continuation)

**\$14,981.00** - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Simulation Studies of Apportionment of Braking Effort for the Development of Truck Braking Standards, Department of Mechanical Engineering (G. L. Kinzel and D. A. Guenther), 31 March 1982 through 30 June 1982. (Project 762085 - Continuation)

**\$14,000.00** - National Science Foundation, Washington, D. C., Acquisition of a Zeiss Videoplan - Image Analysis System, Department of Botany (V. Raghavan, M. L. Evans, T. N. Taylor and R. Warmbrodt), 1 March 1982 through 28 February 1983. (Project 763004 - New)

**\$12,714.00** - Department of Education, Office of Special Education, Washington, D. C., The Ohio State University Preservice Training Project for Special Education Personnel, Academic Faculty of Exceptional Children (P. Connard), 1 February 1982 through 31 May 1982. (Project 762853 - Continuation)

**\$7,920.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Comparative Studies in Perinatal Toxicology, Department of Veterinary Physiology and Pharmacology (R. A. Yeary), 1 December 1981 through 30 November 1982. (Project 762962 - Continuation)

**\$5,929.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Subunit Studies of a Heart Respiratory Complex, Department of Physiological Chemistry (J. S. Rieske), 1 December 1981 through 30 November 1982. (Project 762285 - Continuation)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$4,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Further Studies of the UV Spectra of Late-Type Stars, Department of Astronomy (R. F. Wing), 1 June 1982 through 31 May 1983. (Project 761634 - Continuation)

\$3,960.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. Gregorek) and Department of Aviation (G. S. Weislogel), 1 February 1982 through 31 March 1982. (Project 762359 - Continuation)

\$3,825.00 - Department of Education, Office of Special Education, Washington, D. C., Design for a Cooperative Program to Prepare Teachers of Visually Handicapped for the State of West Virginia, Academic Faculty of Exceptional Children (M. E. Ward), 2 February 1982 through 31 May 1982. (Project 762858 - Continuation)

\$3,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acanthamoeba Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1981 through 30 November 1982. (Project 762493 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$7,814,598.00**

**State of Ohio Research Contracts/Grants**

\$200,365.00 - State of Ohio, Department of Natural Resources, Office of Litter Control, Columbus, Ohio, Litter Control and Recycling Education Program, Cooperative Extension State Operations (J. D. Rohrer), 13 January 1982 through 31 December 1982. (Project 762995 - New)

\$156,221.00 - State of Ohio, The Public Utilities Commission, Columbus, Ohio, Telecommunications Technical Assistance, National Regulatory Research Institute (D. N. Jones and C. Mount-Campbell), 18 January 1982 through 31 January 1983. (Project 762985 - Continuation)

\$38,304.00 - State of Ohio, Department of Energy, Columbus, Ohio, Electric Load Management for Smaller Ohio Industries, Graduate School - Administration, Program for Energy Research, Education and Public Service, (R. E. Bailey), 9 February 1982 through 31 October 1982. (Project 762994 - New)

\$20,600.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Medicine (S. P. Balcerzak), 1 October 1981 through 30 June 1982. (Project 762760 - Continuation)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$12,000.00 - State of Ohio, Department of Health, Columbus, Ohio, Survey of Nursing Employment and Education, School of Allied Medical Professions (R. J. Caswell and S. Strasser), 1 January 1982 through 31 December 1982. (Project 763007 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$427,490.00**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$41,053.00 - University of Florida, Gainesville, Florida, Decomposition Pathways for Carbon Disulfide, Department of Chemistry (I. Shavitt), 1 January 1982 through 31 July 1982. (Project 762983 - New)

\$40,000.00 - Rockwell International, North American Aircraft Operations, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 25 January 1982 through 24 April 1982. (Project 762982 - Continuation)

\$31,670.00 - General Molecular Application, Inc., Columbus, Ohio, Strand Break Repair of DNA in Human Peripheral Lymphocytes, Department of Radiology (P. D. Lipetz and R. E. Stephens), 10 February 1982 through 10 June 1982. (Project 762992 - New)

\$30,554.00 - Materials Technology Institute, Columbus, Ohio, Development of Controlled Hydrodynamic Techniques for Corrosion Testing, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 31 December 1982. (Project 762062 - Continuation)

\$29,979.00 - Electric Power Research Institute, Palo Alto, California, An Advanced Prototype System for Locating and Mapping Underground Obstacles, Department of Electrical Engineering, ElectroScience Laboratory (R. Caldecott), 1 January 1982 through 31 March 1982. (Project 760604 - Continuation)

\$17,620.00 - Upper Arlington City School District, Upper Arlington, Ohio, Career Education Intern Project, Academic Faculty of Special Services, (J. J. Quaranta), 1 September 1981 through 30 June 1982. (Project 762990 - Continuation)

\$14,868.00 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - Continuation)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$10,000.00 - Central State University, Wilberforce, Ohio, Careers in Natural Resources for Urban Minorities, School of Natural Resources (J. D. Kasile), 1 October 1981 through 30 September 1983. (Project 762944 - New)

\$5,000.00 - National Training Fund for the Communications Industry, Washington, D. C., Technical Assistance to the National Training Fund for the Communications Industry, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1982 through 28 February 1983. (Project 768050 - New)

\$4,000.00 - Islamic Center for Technical and Vocational Training and Research, Dacca, Bangladesh, Islamic Center for Technical and Vocational Training and Research Proposal Development Grant, The National Center for Research in Vocational Education (R. E. Taylor), 15 January 1982 through 31 March 1982. (Project 762984 - New)

\$2,850.00 - National Alliance of Business, Columbus, Ohio, Career Guidance Institute, Academic Faculty of Special Services (J. J. Quaranta), 1 January 1982 through 31 March 1982. (Project 762991 - Continuation)

\$2,000.00 - UNESCO, Paris, France, Technical Assistance, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 15 March 1982. (Project 768037 - New)

\$1,500.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Kellogg National Fellowship Program, School of Architecture - Administration, City and Regional Planning (S. I. Gordon), 15 February 1982 through 31 August 1982. (Project 762906 - Continuation)

\$500.00 - Greater Columbus Arts Council, Columbus, Ohio, Humanities through the Arts in Columbus, Office of Academic Affairs, Continuing Education - Non-Credit Programs (J. H. Oshins), 1 August 1981 through 31 May 1982. (Project 762978 - New)

\$352.00 - La Secretaria del Trabajo y Prevision Social de los Estados Unidos Mexicanos through Unidad Coordinadora del Empleo Capacitacion y Adiestramiento (UCECA), Mexico City, D. F., Republic of Mexico, UCECA Planning Project, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 28 February 1982. (Project 762919 - Continuation)

\$238.42 - Utah Technical College, Provo, Utah, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 31 December 1981. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND  
OTHER NON-FEDERAL CONTRACTS/GRANTS

\$232,184.42

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$578,494.00 - 47 sponsors for 48 development projects under the direction of 9 engineering departments and research areas. February, 1982, support included \$520,000 from IBM, Data Processing Division, White Plains, New York, for "Development of Computer Graphics Systems"; \$248,500 of which will be directed by Associate Professor C. Yessios, Department of Architecture, and \$271,500 by Professor R. I. Hang, Department of Engineering Graphics, for the period January 25, 1982, through March 31, 1984.

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Government Contracts/Grants**

\$45,552--Solar Energy Research Institute, Golden, Colorado, support of a study on analysis and investigation of brine and soil samples from Truscott Brine Lake site, Department of Agricultural Engineering, February 15 to June 30, 1982. (Sub-contract No. XP-2-02066-1)

\$22,000--Ohio Department of Agriculture, Columbus, Ohio, continued support of a survey on rural transportation in Ohio, Department of Agricultural Economics and Rural Sociology, to August 31, 1982.

\$14,097--U. S. Army Corps of Engineers, Tulsa, Oklahoma, support of a feasibility study of Truscott Brine Lake development, Department of Agricultural Engineering, February 19 to June 30, 1982. (Contract No. P. O.-DACW56-82-M-0296)

**TOTAL - GOVERNMENT CONTRACTS/GRANTS** **\$81,649.00**

**Industrial and Other Contracts/Grants**

\$19,992--NRTA-AARP Andrus Foundation, Washington, D. C., support of a study on crime, fear of crime and crime prevention; an analysis among the rural elderly, Department of Agricultural Economics and Rural Sociology, January 1 to December 31, 1982.

\$17,992--Society of American Florists Endowment, Edwardsville, Illinois, continued support of a study on pesticide application methods in relation to insect, mite, and disease control on greenhouse floral crops, Departments of Entomology and Plant Pathology, May 1, 1982 to April 30, 1983.

\$12,000--Society of American Florists Endowment, Edwardsville, Illinois, support of a study on the testing and establishment of chain of life criteria for commercial potted plants, Department of Horticulture, January 1 to December 31, 1982.

**TOTAL - INDUSTRIAL AND OTHER CONTRACTS/GRANTS** **\$49,984.00**

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Gifts of \$1,000 or More

\$7,200 from Dow Chemical Company, Midland, Michigan  
2,905 from Voris Seeds, Inc., Windfall, Indiana  
2,500 from Jacob Stern & Sons, Inc., Jenkintown, Pennsylvania  
2,000 from National Soybean Processors Association, Washington, D. C.  
1,680 from Ring Around Products, Inc., Montgomery, Alabama  
1,600 from Ohio Florists Association, Columbus, Ohio  
1,500 from Ohio Fruit Growers Society, Columbus, Ohio  
1,500 from Pioneer Hi-Bred International, Inc., Tipton, Indiana  
1,425 from Funk Seeds International, Bloomington, Illinois  
1,425 from Rupp Seed Farm, Wauseon, Ohio  
1,350 from Leader Seeds, Inc., Celina, Ohio  
1,320 from Agrigenetics Corporation, Denver, Colorado  
1,300 from Madison Seed Company, London, Ohio  
1,275 from Bo-Jac Hybrid Corn Company, Mt. Pulaski, Illinois  
1,275 from Northrup King Company, Des Moines, Iowa  
1,275 from Ruff's Hybrids, Amanda, Ohio  
1,200 from Dennis Hybrid Corporation, Windfall, Indiana  
1,200 from RBA, Inc., Springfield, Illinois  
1,125 from French's Hybrids, Inc., Wakeman, Ohio  
1,125 from Knisely Hybrids Company, New Philadelphia, Ohio  
1,125 from P-A-G Seeds, Minneapolis, Minnesota  
1,050 from O's Gold Seed Company, Parkersburg, Iowa  
1,050 from Robinson Hybrids, Inc., Delaware, Ohio  
1,000 from U. S. Borax, Los Angeles, California

Gifts of Less Than \$1,000

33 - \$15,465

TOTAL GIFTS

\$55,870.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$130,000.00 E. I. duPont de Nemours & Company, Wilmington, Delaware--  
\$26,000.00 for Advanced Design Methods Lab--Mechanical Engineering; \$25,000.00 for DuPont Fund in Chemistry; \$14,000.00 for DuPont Fund in Research; \$12,500.00 for DuPont Fund in Health Grant; \$12,500.00 for DuPont Young Faculty Grants; \$12,000.00 for Affirmative Action Fund; \$12,000.00 for DuPont Fund in Chemical Engineering; \$6,000.00 for DuPont Fund in Electrical Engineering; \$6,000.00 for Professorship in Plant Protection; \$4,000.00 for DuPont Business Fund.



April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- S 38,008.30 Ohio Seed Improvement, Dublin, Ohio--\$37,908.30 for Special Gifts Fund; \$100.00 for Dale Ray Memorial Fund.
- S 35,000.00 Bremer Foundation, Youngstown, Ohio, for Bremer Foundation Fund.
- S 30,646.80 Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
- S 30,128.40 Rocco Antenucci, North Canton, Ohio--\$15,064.20 for College of Medicine Progress Fund; \$15,064.20 for undesignated purposes.
- S 29,333.30 University Eye Surgeons, Columbus, Ohio, for Eye Bank Fund.
- S 27,278.75 Owens Illinois, Toledo, Ohio--\$25,863.75 for Owens Illinois Professorship; \$1,000.00 for Presidents Club Special Fund; \$125.00 for College of Engineering Special Fund; \$100.00 for College of Law Advancement Fund; \$100.00 for Staiger Men's Glee Club; \$50.00 for Friends of WOSU; \$40.00 for undesignated purposes.
- S 19,350.00 Anna Roessler, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.
- S 18,982.18 Retinal Consultants, Columbus, Ohio, for Retina Research Fund.
- S 16,500.00 Uniroyal Chemical Company, Naugatuck, Connecticut--\$15,000.00 for Professorship in Plant Protection; \$1,500.00 for S. A. Brooks Scholarship.
- S 14,704.74 Carl Baldwin, Columbus, Ohio--\$11,305.67 for C. & G. Baldwin Fund; \$3,399.07 for Eye Care.
- S 14,083.13 Carlos Liggett, Dayton, Ohio, for undesignated purposes.
- S 13,000.00 Eli Lilly and Company, Indianapolis, Indiana--\$10,000.00 for Cardiovascular Research Fund; \$3,000.00 for Anesthesia Research Fund.
- S 11,500.00 Adria Laboratories, Columbus, Ohio--\$5,000.00 for Ohio Cancer Information Center; \$3,500.00 for Pharmacy Administration Research/Educational Fund; \$3,000.00 for Endowed Chair in Veterinary Toxicology.

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- S 10,195.00 Eastman Kodak Company, Rochester, New York--\$8,395.00 for Kodak Scholarships in Engineering; \$750.00 for Electrical Engineering Special Fund; \$450.00 for Chemical Engineering Support Fund; \$300.00 for ISE Advancement Fund; \$150.00 for I. G. Brenner Fund; \$150.00 for Computer Information Science Discretionary Fund.
- S 10,000.00 Dow Chemical USA, Midland, Michigan--\$6,000.00 for Dow Research Fellowship Fund; \$2,000.00 for Minority Assistance Fund; \$2,000.00 for Student Grant-in-Aid.
- S 10,000.00 Shafer Foundation, Columbus, Ohio, for Friends of WOSU.
- S 9,950.00 Grace Washburn, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.
- S 6,500.00 Templeton Medical Research, Cleveland, Ohio, for A. M. and H. R. Templeton Research Fund.
- S 6,450.00 Procter and Gamble, Cincinnati, Ohio--\$4,000.00 for Procter and Gamble Biological Science Fellowship; \$2,000.00 for Special Procedures Room; \$450.00 for Chemical Research--Dr. Devon Meek.
- S 5,416.00 Marathon Oil Foundation, Findlay, Ohio--\$2,666.00 for Presidents Club Special Fund; \$1,000.00 for Marketing Support Fund; \$700.00 for Mars G. Fontana Endowment Fund; \$350.00 for Administrative Science Fund; \$350.00 for Student Athlete Grant-in-Aid Fund; \$200.00 for College of Law Advancement Fund; \$150.00 for undesignated purposes.
- S 5,075.19 Ohio Turfgrass Foundation, Columbus, Ohio--\$2,575.19 for GCSAA Research Fund; \$2,500.00 for Turfgrass Research Fund.
- S 5,050.00 Wayne County National Bank, Wooster, Ohio--\$5,000.00 for Kottman Scholarship; \$50.00 for Ohio 4-H Foundation Support Fund.

Gift-in-Kind

- S 10,925.00 Mr. and Mrs. Charles Hoff      Prints and manuscripts

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Alec Parsons Scholarship in the College of Engineering**

The Alec Parsons Scholarship in the College of Engineering was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from his parents, Dr. and Mrs. George Parsons, his sister, Heather and friends.

The gift is to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used to establish a scholarship in the College of Engineering. The recipient should be a male Ohio resident who has been admitted to a branch of The Ohio State University College of Engineering. Preference would be to someone who shows financial need and demonstrated interest in human relations and potential service to others. This scholarship is limited to undergraduate students and the support would remain in effect through the recipients undergraduate years as long as all academic qualifications were maintained.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Engineering.

**The Rudolf Kaelbling Memorial Research Fund in Psychiatry**

The Rudolf Kaelbling Memorial Research Fund in Psychiatry was established April 2, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Marianne Kaelbling in memory of her husband, Rudolf Kaelbling, M.D., M.S. '59, originator of the OSU Sleep Research Laboratory and Professor of Psychiatry at The Ohio State University, until his death, December 15, 1976.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a stipend for one (or more) medical students each year (no one student to receive more than two stipends) to conduct a research project in the Department of Psychiatry. During the initial six years, preference shall be given, but not necessarily limited to, students wishing to do research on the topics of sleep and sleep disorders. In the absence of any suitable candidates for the stipend from among medical students, consideration can also be given to a resident or a student from a related discipline.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Rudolf Kaelbling Memorial Research Fund in Psychiatry (contd)**

The size of the stipend shall be at least 90 percent of the annual income. Any remainder shall be added to the principal. The selection of the recipient is to be made upon the recommendation of the Director of Sleep Disorders Clinic, in cooperation with the Chairman of the Department of Psychiatry and the Dean of the College of Medicine.

Should the need for funds for this purpose cease to exist or so diminish as to provide unused income, then the Chairman of the Department of Psychiatry, in cooperation with the Dean of the College of Medicine, shall have the right to designate an alternate use of the income that will be of benefit to the Department of Psychiatry.

**Endowed Program Fund in Cooperative Business Management**

The Endowed Program Fund in Cooperative Business Management was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Ohio Council of Farmer Cooperatives, its members, and friends of cooperatives throughout the State of Ohio and nationally.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide program support for the work of a distinguished scholar in the field of cooperative education and business management. Funds will be allocated by the chairperson of the Department of Agricultural Economics and Rural Sociology based upon recommendations of those within the department and the Cooperative Extension Service responsible for the program and an advisory committee comprised of members of the Ohio Council of Farmer Cooperatives Executive Committee. Until this fund reaches \$250,000 or three years have elapsed from the date the endowment is established, whichever occurs first, seventy-five percent of the interest earnings will be added to the principal. During this same period twenty-five percent may be used for program support.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Chairperson of the Department of Agricultural Economics and Rural Sociology or from the appropriate administrative official of the University who is then responsible for study related to the field of cooperatives in the College of Agriculture and Home Economics.

**The John T. Mount Fund for Post-Baccalaureate Study**

The John T. Mount Fund for Post-Baccalaureate Study was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The John T. Mount Fund for Post-Baccalaureate Study (contd)**

Development Fund from John T. Eby, B.Sc.Bus.Adm. '62, and other friends of Vice President and Dean John T. Mount, B.S.Agr. '41.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to:

1. Identify undergraduate students who may be strong candidates for post-baccalaureate scholarships;
2. Alert these students to the opportunities provided by such scholarships;
3. Encourage qualified students in their pursuit of these awards;
4. Assist potential candidates to be successful recipients of available scholarships.

This fund shall be administered by the principal administrative officer of the Office of Academic Affairs.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the administrative official who is then directly responsible for the Office of Academic Affairs.

**The Buford M. and May Scott Teater Scholarship Fund**

The Buford M. and May Scott Teater Scholarship Fund was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Robert W. Teater, M.S. '55, Ph.D. '57, family and friends in honor of Dr. Teater's parents, Buford M. and May Scott Teater.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarship assistance for one or more undergraduate students enrolled in the School of Natural Resources. Selection of the recipient(s)

April 2, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Buford M. and May Scott Teater Scholarship Fund (contd)**

is to be made by the University Scholarship Committee upon the recommendation of the School of Natural Resources Scholarship Committee. Recipients will be selected on the basis of financial need, academic achievements and leadership potential. Should the need for student scholarship assistance in the School of Natural Resources cease to exist, the income from this fund may be used for any academic purpose as determined by the Director of the School of Natural Resources.

Should the School of Natural Resources cease to exist through any reorganization of the University, then the income may be used by the Board of Trustees with preference being given to the recommendations of the appropriate administrative official of the University who is then directly responsible for natural resource education.

**Change in Name and Description of Named Fund**

From: The Donald E. Demkee Dental Scholarship Fund  
To: The Dr. Donald E. Demkee Wayne-Holmes County Scholarship Fund

This Fund was established April 2, 1976, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Dr. Donald E. Demkee, D.D.S. '65, Wooster, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarships to undergraduate students who are residents of Wayne County or Holmes County. Financial need may or may not be a consideration. Recommendations for students who qualify should be forwarded to the University Scholarship Committee for final selection in conjunction with the Dean of the intended recipient's chosen College.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate official on the University Scholarship Committee.

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April 2, 1982 meeting, Board of Trustees

**DEMOLITION OF BUILDING - 930 KINNEAR ROAD**

Resolution No. 82-93

*Synopsis: Demolition of Building No. 3 at 930 Kinnear Road, Columbus, Ohio, is proposed.*

WHEREAS the Board of Trustees of The Ohio State University owns 3.295 acres at 930 Kinnear Road (consisting of three commercial-use buildings and parking facilities) and authorized lease of this property to Warner Cable Corporation on July 22, 1977 (for Buildings No. 1 and 3), and November 30, 1979 (for Building No. 2), with the leases to expire on June 14, 1982, and each lease providing for two five-year renewal options; and

WHEREAS Building No. 3 has deteriorated beyond economical repair and the demolition of this building has been recommended by the appropriate University Offices; and

WHEREAS in negotiating the five-year renewal under the option in the original leases, Warner Amex Communications, Inc. (the successor Lessee to Warner Cable Corporation), has agreed to demolish Building No. 3 and install a gasoline storage tank under the site and improve parking facilities on the site, all to be accomplished at the Lessee's sole cost and expense and subject to University approval of plans and specifications:

NOW THEREFORE

BE IT RESOLVED, That the demolition of Building No. 3 at 930 Kinnear Road as proposed above be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT - COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY**

Resolution No. 82-94

*Synopsis: Renewal of electric power line easement at Don Scott Field is proposed.*

WHEREAS in 1967 the University granted to the Columbus and Southern Ohio Electric Company a ten-foot wide easement for electric power lines to serve University buildings at Don Scott Field; and

WHEREAS this easement will expire on June 6, 1982, and the University has received a request from the Columbus and Southern Ohio Electric Company to renew the easement for a period of fifteen years upon the same terms and conditions as the original term; and

WHEREAS the power lines for which the easement is requested serve only University facilities; and

April 2, 1982 meeting, Board of Trustees

**EASEMENT - COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY (contd)**

WHEREAS the appropriate University agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easement.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PURCHASE OF PROPERTY**

Resolution No. 82-95

*Synopsis: Request for authorization to purchase residential property.*

WHEREAS the Margaret E. (Runnels) Krauss real property consisting of approximately .219 acres, improved with a two-story dwelling with a one-story addition and a one-car garage, located in Wooster Township, Wayne County, and described as the east 70 feet of Lots 1440, 1441, and 1442, is being offered for sale; and

WHEREAS this property is immediately adjacent to and surrounded on all sides by OARDC property; and

WHEREAS the OARDC desires to have this property purchased by OSU for use as graduate student housing, and to eliminate the nuisance of private ownership; and

WHEREAS this property and improvements have been appraised, according to Department of Administrative Services, Bureau of Real Estate recommendations, and these appraisals are \$43,000, \$49,000 and \$59,000; and

WHEREAS the Director of OARDC and the owner have negotiated a purchase price of \$52,000 contingent upon Board of Trustees approval:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees authorize the purchase of the above-described real property for fifty-two thousand dollars (\$52,000), and authorize the Director, OARDC, to formalize the transfer with appropriate State agencies.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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April 2, 1982 meeting, Board of Trustees

Mr. Devenow presented the following resolution:

**DISTINGUISHED SERVICE AWARD AND NAMING OF STREET**

Resolution No. 82-96

*Synopsis: It is proposed that the Distinguished Service Award be presented to Wayne Woodrow "Woody" Hayes and that Stadium Drive be renamed Woody Hayes Drive.*

WHEREAS the public record reflects that Wayne Woodrow "Woody" Hayes served as head football coach at The Ohio State University for twenty-eight years; and

WHEREAS during this time Coach Hayes established himself as one of the truly great college football coaches, providing leadership for the Ohio State football program in achieving a degree of excellence--205 wins, 65 losses and 10 ties--unmatched in the University's illustrious athletic history; and

WHEREAS Coach Hayes' dedication to excellence in the classroom and the well-being of those associated with him--his athletes, coaches, fans and other friends--has been amply chronicled; and

WHEREAS his involvement in the life of the University, its people and institutional processes has been extraordinary; and

WHEREAS his outstanding contributions to public service are evidenced by his deep involvement with the less fortunate and by his active participation and support of organizations committed to the betterment of mankind; and

WHEREAS his overall meritorious service, loyalty and dedication to the University attest to the many noble contributions of Coach Hayes:

NOW THEREFORE

BE IT RESOLVED, That in recognition and appreciation of Coach Hayes' exemplary service, the University will award him the Distinguished Service Medal at a time convenient to the recipient and the University, in accordance with action taken by the Board of Trustees in 1952; and

BE IT FURTHER RESOLVED, That in order to establish a living memorial which recognizes Mr. Hayes' significant role in the history of the University, the street located north of Ohio Stadium and south of St. John Arena and which runs from Neil Avenue to Kenny Road be renamed Woody Hayes Drive.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

April 2, 1982 meeting, Board of Trustees

President Jennings responded to the adoption of the foregoing resolution as follows:

Mr. Chairman, if I might say that while I do not vote on that I would just like to express my support to this Board for honoring Coach Hayes. I have been in Big 10 institutions now almost 17 years; 16 of those years I had not exactly been a fan of Ohio State's. One of the things that, around the Big 10, was always clear--one of the reasons Ohio State wasn't all that well liked around the Big 10--was because Coach Hayes not only was an outstanding football coach, but Coach Hayes was one of the early coaches who insisted that the youngsters were first of all students and scholars, and secondly, football players. He had a deep and important commitment to the academic excellence of this institution and the young people that he had the privilege to tutor. He had a few of them, he didn't stock his teams, and he went overboard in staying within the NCAA rules. It was the cleanest program around the Big 10, around the nation. All the talk now you hear from football, basketball coaches about academic excellence, about how these are students, if you'll look back in history, all of us, you'll find that those words were being uttered by Coach Hayes in the early 1950's, and they are almost all duplicates of what Coach Hayes began. Stories are legend about the students that graduated to become physicians, lawyers, leaders, politicians, from the Ohio State football team, and that's largely to the credit of Coach Hayes. He really does mean it when he means that students are students first and athletes second, and the most important part of football coaching is getting them graduated and getting them on to successful years and not winning football games. He happened to do both, but he is rare in that context and I thank this Board for recognizing his contributions.

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#### REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-97

RESOLVED, That the report on the University's Investment Portfolio, dated March 19, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, May 7, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND SEVENTY-NINTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 7, 1982

The Board of Trustees met at its regular monthly meeting on Friday, May 7, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

May 7, 1982 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

**ELECTION OF OFFICERS  
BOARD OF TRUSTEES**

Resolution No. 82-98

Mr. Hilliker presented the following slate of officers:

WHEREAS pursuant to paragraph (B) of rule 3335-1-02 of the Administrative Code, the officers of the Board are to be elected at the May meeting to take office immediately following adjournment of the meeting (May 7, 1982) and shall hold their office through the May 1983 meeting:

NOW THEREFORE

BE IT RESOLVED, That the following slate of officers for 1982-83 be elected:

Warren J Smith, Chairman

John D. Jacob, Vice Chairman

Madison H. Scott, Secretary

James L. Nichols, Treasurer

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 82-99

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

May 7, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

#### Martha Brian

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 25, 1982, of Ms. Martha Brian, Associate Professor, School of Journalism, College of Social and Behavioral Sciences.

Martha Brian was born in Cincinnati, Ohio, on September 28, 1930. She earned an Associate of Arts degree from Stephens College, Columbia, Missouri, in 1950 and a Bachelor of Journalism degree from the University of Missouri in 1952. She completed a Master of Arts degree in Journalism at The Ohio State University in 1970.

Ms. Brian became a general assignment reporter for the Bristol, Virginia, *Virginia-Tennessean* in 1952. In 1954 she took a position as continuity director for WLW-C television, Columbus, and in 1955 moved to the *Columbus Dispatch* where she worked for 12 years as reporter covering social welfare, the juvenile court and general assignments as well as writing for the *Sunday Magazine*. During this period in her professional life, Ms. Brian won many awards, including prizes in the writing contests of the Ohio Newspaper Women's Association, the Associated Press Editors Association, the Ohio United Press International and the Press Club of Ohio. These honors as a professional journalist were climaxed when she was nominated for a Pulitzer Prize in 1960.

During her tenure at Ohio State, where she was appointed to the faculty of the School of Journalism in 1967, Ms. Brian moved up from the rank of Instructor to that of Associate Professor. She was active in the University community as well as in her profession, serving as a member of the OSU Athletic Council and as an adviser to the student chapter of the Society of Professional Journalists/Sigma Delta Chi and for seven years served as chapter Adviser to Women in Communications, Inc. She was several times a finalist for distinguished teaching awards at the University, and was the first woman faculty member of Ohio Staters, Inc., a student/faculty service organization.

While she taught reporting and writing to Ohio State Journalism students, she continued to write, with articles appearing frequently in the *Columbus Monthly Magazine*.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and The Ohio State University have sustained.

May 7, 1982 meeting, Board of Trustees

### **RESOLUTIONS IN MEMORIAM (contd)**

**Viola Marie Cassidy**

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 16, 1982, of Viola Marie Cassidy, Professor Emeritus in the Department of Psychology.

Dr. Viola Cassidy began her career in education in 1926 as an elementary school teacher in the Cleveland Public Schools. She received her Bachelor of Arts degree from Western Reserve in 1929 and her Master of Arts degree from Columbia University in 1936.

She taught at Western Michigan University and at Eastern Washington College of Education before returning to Ohio where she received her Doctor of Philosophy degree in Psychology from The Ohio State University in 1948. That same year she took a position as Associate Professor of Psychology at Ohio State.

Dr. Cassidy's primary interests were in school psychology, human growth and development, and the education of exceptional children. She served a term as President of the Ohio Chapter of the National Council for Exceptional Children and she was, until her retirement in 1971, head of the Program for Exceptional Children at this University. She authored numerous professional papers, including a highly influential treatise dealing with the efficacy of special education classes.

Dr. Cassidy's work has been a great credit to the University from which she received her doctorate and at which she taught for so many years. She befriended many of her students and will be long remembered by both the undergraduate and graduate students who took classes and seminars with her and took their degrees under her direction. She will also be remembered with respect and admiration by her faculty colleagues, both in the College of Education and the Department of Psychology.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

**Elizabeth Minter Moore**

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 1, 1982, of Elizabeth Minter Moore, Assistant Professor Emeritus in the Department of Home Management and Housing in the School of Home Economics.

Mrs. Moore was born in Wilksburg, Pennsylvania, on August 8, 1896. She received the Bachelor of Science degree from Muskingum College in 1924 and the Master of Science degree from The Ohio State University in 1933.

Mrs. Moore taught high school home economics and English at Youngstown Public Schools from 1918-19; home economics and biology in the Frazeyburg Public School from 1924-26, and was an Instructor of home economics at Muskingum College in the Summer of 1925.

May 7, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Elizabeth Minter Moore (contd)

She came to Ohio State as a graduate assistant in 1929-33. She was appointed an Instructor in September, 1933 until she resigned in June, 1942. She later returned to teaching at Ohio State as an Assistant Professor, October 1945 and remained until her retirement in March, 1964. She was considered an inspiring teacher.

Mrs. Moore held honorary memberships in Phi Upsilon Omicron, Omicron Nu, and Pi Lambda Theta. Membership in professional societies included Ohio Education Association, Ohio Home Economics Association, American Home Economics Association, American Vocational Association, and Ohio Vocational Association. She also served on various school committees and held office in state associations.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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**DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT**

Resolution No. 82-100

*Synopsis: Approval is being requested for awarding degrees and certificates for Spring Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on June 11, 1982, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Dr. Jacob, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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May 7, 1982 meeting, Board of Trustees

President Jennings made the following statement:

I am recommending on the next item that the Office of Public Affairs and the Office of University Development be combined into one position as a Vice President for University Communications and Development. That Vice Presidency would have responsibility for the current Public Affairs Office, the current University Development Fund as well as to provide us some managerial transition as to how we will handle WOSU and the Fawcett Center when Vice President Schoen retires in August of 1983. I am recommending that Mr. Burnham, who is currently the Dean of the College of Education, be appointed as Acting Vice President for University Communications and Development. We will develop shortly a search committee for that position. Dean Burnham will continue on as Dean of the College of Education, but Professor Russell Spillman, who is Associate Dean there, will be taking on most of Dean Burnham's duties as he assumes the duties of this new Vice Presidency.

I also ask that Vice President Crawford take on a special assignment for me to explore the possibilities of operating an office in Washington, D. C., because of the need, I believe, to establish better relations in Washington, not only with Congress but with the various agency heads. Some of the progress we have made on that already is what you heard earlier this morning--some of the report from Janet Martin about the Student Aid issue is that combined teamwork on this has been very helpful, and Ed has taken this on as a special project to explore this possibility.

We have also got that--Vice President Schoen, who announced her retirement at the April meeting, will take on the Acting Directorship of University Communications which will include Public Affairs, WOSU and the Fawcett Center. And I am recommending, Mr. Chairman, that the University Rules be changed to reflect that. And in the personnel section, those individuals are recommended for your approval - Mr. Burnham, Mr. Buxton, Mr. Crawford and Mrs. Schoen.

**RESTRUCTURING OF THE UNIVERSITY'S EXTERNAL RELATIONS OFFICES  
AND AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-101

*Synopsis: Restructuring of two administrative offices is being recommended and modification of bylaws and rules to effectuate that change are being proposed.*

WHEREAS the President has announced his intention to restructure the University's external relations offices; and

WHEREAS it is recommended that the offices of the vice president for public affairs and the vice president for university development be combined into one position, vice president for university communications and development; and



May 7, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY'S EXTERNAL RELATIONS OFFICES  
AND AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

WHEREAS the vice president for university communications and development will be the executive head of the two offices; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the following rule changes are proposed:

**3335-1-03 Administration of the university.**

**(E) The president's staff.**

(1) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, the vice president for university communications and development, and special assistants.

(R) Vice president for university communications and development. The major area of responsibility and authority of the vice president for university communications and development shall be the administration of the university communications and university development activities of the university. Without limiting the generality of the foregoing, the vice president for university communications and development shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: public relations; coordination of university efforts relating to public information; and management and direction of fund raising, including individual, corporate and foundation giving.

**3335-3-05 President's staff.\***

(A) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, the vice president for university communications and development, and special assistants.

\*Rule initiated by board of trustees.

May 7, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY'S EXTERNAL RELATIONS OFFICES  
AND AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-153 Vice president for university communications and development.\*

- (A) The vice president for university communications and development shall be the executive head of the office of university communications and development.
- (B) The major area of responsibility and authority of the vice president for university communications and development shall be the administration of the university communications and university development activities of the university. Without limiting the generality of the foregoing, the vice president for university communications and development shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: public relations; coordination of university efforts relating to public information; and management and direction of fund raising, including individual, corporate and foundation giving.
- (C) The principal administrative officials of the office of university communications and development shall be the director of university communications, the director of university development, and such other associates as may be authorized from time to time. (B/T 5/7/82)

\*Rule initiated by board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing changes in the bylaws and rules as they are printed herein be adopted.

Upon motion of Mr. Hilliker, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-102

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments/Title Change, Reappointment of Chairmen of Departments and Directors of Schools, Leaves of Absence Without Salary, Professional Improvement Leave-Cancellation, Professional Improvement Leave-Date Change, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the April 2, 1982 meeting of the Board, including the following Appointments/Title Change, Reappointment of Chairmen of Departments and Directors of Schools, Leaves of Absence Without Salary, Professional Improvement Leave-Cancellation, Professional Improvement Leave-Date Change, and Emeritus Titles as detailed in the University Budget, be approved.

May 7, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Appointments/Title Change**

**Name:** ROBERT A. BURNHAM  
**Titles:** Acting Vice President for University Communications and Development  
Dean, College of Education  
Professor, Academic Faculty of Educational Administration  
**Effective:** Immediately  
**Salary:** N/A  
**Present Position:** Dean, College of Education, and Professor, Academic Faculty of Educational Administration

**Name:** RICHARD O. BUXTON  
**Title:** \*Director of University Development  
**Effective:** Immediately  
**Salary:** N/A  
**Present Position:** Vice President for University Development, and Director of the Development Fund

**Name:** EDWIN M. CRAWFORD  
**Title:** Vice President for Public Affairs  
(On Special Assignment in Washington, D. C.)  
**Effective:** Immediately  
**Salary:** N/A  
**Present Position:** Vice President for Public Affairs

**Name:** KATHRYN T. SCHOEN  
**Title:** Vice President for Educational Services  
Acting Director of University Communications (Special Assignment)  
**Effective:** Immediately  
**Salary:** N/A  
**Present Position:** Vice President for Educational Services

**Name:** A. JOHN CHRISTOFORIDIS  
**Title:** Professor and Chairman  
**Department:** Radiology  
**Effective:** August 1, 1982  
**Salary:** \$55,080 (12 month)  
**Present Position:** Professor and Chairman, Department of Radiology, Medical College of Ohio at Toledo

\*Title Change.

Reappointment of Chairmen of Departments and Directors of Schools

July 1, 1982 through June 30, 1986

Anesthesiology  
Home Management and Housing

John McDonald  
Loren Geistfeld

May 7, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Reappointment of Chairmen of Departments and Directors of Schools (contd)

July 1, 1982 through June 30, 1986 (contd)

Home Management and Nutrition	Barbara Newman
Medical Microbiology and Immunology	Ronald Glaser
Pediatrics	Grant Morrow III
Pharmacology	Joseph Bianchine
Preventive Medicine	Martin Keller

July 1, 1982 through June 30, 1985

Physiology	Heinz Pieper
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July 1, 1982 through June 30, 1984

Allied Medical Professions	Robert J. Atwell
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July 1, 1982 through June 30, 1983

Nursing	Edna Fritz
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October 1, 1982 through September 30, 1986

Psychology	Samuel H. Osipow
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Leaves of Absence Without Salary

GEORGE F. WADLINGTON, Professor, Cooperative Extension Service, effective April 1, 1982 through June 30, 1982, for medical reasons.

DAVID LYNN FORSTER, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective April 1, 1982 through December 31, 1982, to work at the Forster Farms, Inc., in Indiana.

STANLEY E. GONTARSKI, Associate Professor, Department of English (Lima Campus), effective October 1, 1982 through June 30, 1983, to accept an appointment at the University of California - Riverside.

BERNARD ROSEN, Associate Professor, Department of Philosophy, effective October 1, 1982 through June 30, 1983, to accept a teaching appointment at the U. S. Air Force Academy in Colorado Springs, Colorado.

RONALD M. SOLOMON, Associate Professor, Department of Mathematics, effective April 1, 1982 through June 30, 1982, to accept a grant from the British Research Council to do research at Oxford University.

May 7, 1982 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

LAUREL FAY, Assistant Professor, School of Music, effective January 1, 1983 through June 30, 1983, to accept a teaching appointment at Wellesley College.

PAUL L. GERSTNER, Assistant Professor, Cooperative Extension Service, effective April 1, 1982 through June 30, 1982, for medical reasons.

MARIE-CLAIRE JULIENNE VALLOIS, Assistant Professor, Department of Romance Languages and Literatures, effective April 1, 1982 through June 30, 1982, to work on a monograph on the literature of 18th Century France.

ROBERT L. HORTON, Instructor, Cooperative Extension Service, effective September 16, 1981 through August 31, 1983, to pursue work on his Ph.D. degree.

#### Professional Improvement Leave - Cancellation

ROBERT T. ROSS, Professor, Department of Biochemistry, cancel leave approved for Autumn Quarter 1982, Winter Quarter 1983, Spring Quarter 1983 and Summer Quarter 1983.

#### Professional Improvement Leave - Date Change

JOSEPH J. PARNICKY, Professor, School of Social Work, change starting date from Autumn Quarter 1982 to Winter Quarter 1983.

#### Emeritus Titles

ALLAN C. BARNES, Department of Obstetrics and Gynecology, with the title Clinical Professor Emeritus, effective July 1, 1982.

S. P. BRUNY, Cooperative Extension Service, with the title Professor Emeritus, effective May 1, 1982.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

President Jennings made the following announcement:

Mr. Chairman on personnel matters as well, we will ask for recommendations as of next Board meeting, but I would like to point out my intention now to combine the Office of Business and Administration and the Office of Finance and Planning into a single position as Vice President for Business and Finance. This is in line with my continued assessment of the University's organizational structure, and I will be recommending to you along this line that Mr. Richard Jackson be appointed as the new Vice President for Business and Finance.

May 7, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

President Jennings continued the following announcement:

In addition to that, I will also recommend that Mr. Weldon Ihrig be appointed to a newly created position as University Fiscal Officer who will report to Mr. Jackson on day-to-day matters but report directly to me in terms of advising on financial matters as we work through these very difficult things. In that context, Mr. Ihrig will be responsible for not only the duties he has now as Acting Vice President of Finance and Planning but will, in addition, take on the responsibility for the University Treasurer's Office.

Also associated with that, I will recommend that the Special Assistant to the President, Mrs. Judith Washburn, be appointed as Special Assistant to assist me in developing budget strategy and advising on financial matters, and in addition I will ask next time that Miss Sue Mayer be appointed permanently as Special Assistant to the President, and her responsibilities will be office management, special events and my speech writing activities in the institution.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-103

*Synopsis: The reports on contracts, grants, and gifts and the summary for March are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of March 1982 be approved.

Upon motion of Mr. Smith, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MARCH 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	95	\$3,855,953.93
Engineering Experiment Station	47	205,653.00
Ohio Agricultural Research and Development Center	9	223,633.00
		\$4,285,239.93

**The Ohio State University Development Fund**

**Establishment of Named Funds**

The John C. Geupel Chair Fund (Department of Civil Engineering)		\$198,528.00
Biological Environmental Research Fund (College of Biological Sciences)		\$ 26,000.00
The Sheldon B. Ackerman Endowment Fund (College of Administrative Science - Management)		\$ 6,860.00
The William J. Skou Faculty Enrichment Fund (Agricultural Technical Institute)		\$ 5,000.00
The William J. Skou Scholarship Fund (Agricultural Technical Institute)		\$ 5,000.00

**Report from Presidents Club**

Members to date	4,537
1982 members: year to date	39
New members - March 1982	15

**New Presidents Club Members - March 1982**

Joyce Abramowitz (Mrs. Irving)	F. Jerome Fix
Anonymous	John F. Foreman
Timir Banerjee	Larry C. Hansgen
Roy O. Becker	Josephine D. Ingraham
Susan C. Benes	(Mrs. Charles)
Bonnie W. Burks (Mrs. Paul E.)	Belle V. Joseph
Paul E. Burks	Albert J. Kolibash III
Joseph F. Cullman 3rd	Suzanne I. Seubert

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THIRD QUARTER SUMMARY**

January 1, 1982 through March 31, 1982

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Source	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	11	\$ 503,996.00
National Science Foundation	20	1,185,151.00
Department of Defense	19	1,752,687.00
Department of Energy	3	913,100.00
Department of Education	7	5,141,218.00
Department of Health and Human Services	47	2,697,512.00
Other Federal	14	273,411.00
<b>TOTAL - FEDERAL</b>	<b>121</b>	<b>\$12,467,075.00</b>
<b>STATE OF OHIO</b>	<b>16</b>	<b>\$ 774,943.25</b>
<b>INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS</b>	<b>74</b>	<b>\$ 2,340,200.10</b>
<b>GRAND TOTAL</b>	<b>211</b>	<b>\$15,582,218.35</b>

**ENGINEERING EXPERIMENT STATION**

Source	No. of Projects	Support Level
<b>INDUSTRIAL AND OTHER</b>	<b>125</b>	<b>\$ 1,165,716.00</b>



May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$392,182.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzournis) and Department of Medicine (W. B. Malarkey), 1 December 1981 through 30 November 1982. (Project 761196 - Continuation)

\$145,882.00 - National Science Foundation, Washington, D. C., Complex Animation and Complex Object Synthesis, Department of Art Education (C. A. Csuri), Department of Computer and Information Science (R. E. Parent) and Department of Electrical Engineering (K. W. Olson), 1 April 1982 through 31 March 1983. (Project 762077 - Continuation)

\$125,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 1 December 1981 through 30 June 1982. (Project 760226 - Continuation)

\$109,960.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effects of Ice Formation on 2-D Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and M. B. Bragg), 1 April 1982 through 5 June 1983. (Project 762009 - Continuation)

\$106,900.00 - National Science Foundation, Washington, D. C., Basic Mechanisms of Sliding Friction and Wear, Department of Metallurgical Engineering (D. A. Rigney), 1 April 1982 through 31 March 1983. (Project 763031 - Continuation)

\$105,332.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Chemical Carcinogen Induced Neoplastic Transformation, Department of Physiological Chemistry (G. E. Milo), 1 January 1982 through 31 December 1982. (Project 761756 - Continuation)

\$104,863.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, The Immune Complex Mediated Glomerulopathies, Department of Medicine (L. A. Hebert), 1 April 1982 through 31 March 1983. (Project 761786 - Continuation)

\$100,000.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Studies on Syntheses and Derivatives of Boron Hydride Systems, Department of Chemistry (S. G. Shore), 1 April 1982 through 31 March 1983. (Project 763039 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$100,000.00 - National Science Foundation, Washington, D. C., Liquid Helium at Low Temperatures, Department of Physics (D. O. Edwards), 1 April 1982 through 31 March 1983. (Project 761582 - Continuation)

\$99,173.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Optical Flow and Texture Variables Useful in Simulating Self Motion, Department of Psychology (D. H. Owen), 1 February 1982 through 31 January 1983. (Project 762550 - Continuation)

\$95,757.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Graduate School Administration (J. B. Lapidus), 1 April 1982 through 31 March 1983. (Project 764748 - Continuation)

\$91,676.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, The Development and Evaluation of Point Defect Models for the Growth of Passive Films on Single Crystal, Polycrystalline, and Amorphous Metal Surface, Department of Metallurgical Engineering (D. D. Macdonald), 1 March 1982 through 28 February 1983. (Project 763048 - New)

\$84,400.00 - National Science Foundation, Washington, D. C., Ductile Fracture and Hydrogen Embrittlement, Department of Metallurgical Engineering (J. P. Hirth), 1 April 1982 through 31 March 1983. (Project 761528 - Continuation)

\$79,663.00 - Department of Health and Human Services, Office of Human Development Services, Administration for Children, Youth and Families, Washington, D. C., Identification, Management, and Prevention of Child Abuse and Neglect, College of Social Work (N. J. Rindfleisch), 1 February 1982 through 31 January 1983. (Project 762019 - Continuation)

\$74,135.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Vestibular Control of Posture, Department of Otolaryngology (C. W. Stockwell), 1 April 1982 through 31 March 1983. (Project 760820 - Continuation)

\$63,673.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute on Drug Abuse, Rockville, Maryland, Amphetamine: Effects on Muscle Contraction and Endurance, College of Pharmacy (M. C. Gerald), 1 February 1982 through 31 January 1983. (Project 764488 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$63,350.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Identification of Essential Genes for HSV DNA Synthesis, Department of Microbiology and Immunology (D. S. Parris), 1 March 1982 through 28 February 1983. (Project 762587 - Continuation)

\$61,599.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Vibration Analysis of Turbine Engine Blades, Department of Engineering Mechanics (A. W. Leissa), 30 April 1982 through 30 April 1983. (Project 762029 - Continuation)

\$59,951.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Separated Flows, Department of Aeronautical and Astronautical Engineering (O. R. Burggraf), 1 April 1982 through 31 December 1982. (Project 760325 - Continuation)

\$58,081.00 - Department of Education, National Institute of Education, Washington, D. C., Calculator Information Center, Academic Faculty of Science and Mathematics Education (M. N. Suydam), 18 March 1982 through 17 March 1983. (Project 762053 - Continuation)

\$57,620.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Analysis of Local Circuitry in the Inferior Olive, Department of Anatomy (G. A. Bishop), 1 February 1982 through 31 January 1983. (Project 763013 - New)

\$52,048.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Immunologic Aspects of Legionellosis, Department of Medicine (J. F. Plouffe), 1 February 1982 through 31 January 1983. (Project 762577 - Continuation)

\$51,435.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Transition from Deflagration to Detonation and Effect of Heat and Mass Addition to Established Steady Flows of Air, Department of Aeronautical and Astronautical Engineering (R. Edse), 1 May 1982 through 30 April 1983. (Project 761050 - Continuation)

\$49,991.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propellor/Rotor Icing Study, Department of Aeronautical and Astronautical Engineering (D. J. Lee), 1 April 1982 through 31 March 1983. (Project 762399 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$47,600.00 - National Science Foundation, Washington, D. C., Investigation of Oxygen and Alkali Diffusion in Feldspar, Department of Geology and Mineralogy, (K. A. Foland), 1 February 1982 through 31 January 1983. (Project 762357 - Continuation)

\$47,310.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1982 through 31 March 1983. (Project 760661 - Continuation)

\$44,259.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 22 February 1982 through 22 June 1983. (Project 762718 - Continuation)

\$38,401.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Measurement Methodology of Impact Devices, Department of Mechanical Engineering (R. P. Singh and N. Berme), 1 March 1982 through 27 February 1983. (Project 763036 - New)

\$31,883.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Corneal Environment, College of Optometry (R. M. Hill), 1 April 1982 through 31 March 1983. (Project 761080 - Continuation)

\$24,050.00 - National Science Foundation, Washington, D. C., A Unified Treatment of Rank 2 Simple Groups (Mathematics), Department of Mathematics (R. M. Solomon), 1 July 1982 through 30 June 1984. (Project 763027 - New)

\$20,225.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research Test Center, East Liberty, Ohio, Construction of Vehicle Tracking-Phase II, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda), 1 January 1982 through 30 September 1982. (Project 763034 - New)

\$20,000.00 - Department of the Interior, Fish and Wildlife Service, Division of Contracting and General Services, Washington, D. C., Status and Population Dynamics of White Perch (*Morone Americana*) in Lake Erie (On Campus), Department of Zoology (T. J. Peterle, F. J. Margraf and R. F. Carline), 1 April 1981 through 1 April 1983. (Project 762625 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$20,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Utilization of Range and Range-Difference Observations in Geodynamics, Department of Geodetic Science and Surveying (I. I. Mueller), 1 February 1982 through 18 September 1982. (Project 761882 - Continuation)

\$15,753.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Transient Visual Evoked Response in Amblyopia, College of Optometry (G. W. Good), 16 February 1982 through 15 February 1983. (Project 763011 - New)

\$11,028.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathogenesis of Experimental Atherosclerosis, Department of Physiological Chemistry (D. G. Cornwell), 1 December 1981 through 30 November 1982. (Project 762525 - Continuation)

\$9,998.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Investigation of an Error Theory for Conjoint Measurement Methodology, Department of Psychology (T. E. Nygren), 1 April 1982 through 31 March 1983. (Project 763025 - New)

\$9,974.00 - Department of the Navy, Naval Research Laboratory, Underwater Sound Reference Detachment, Orlando, Florida, Scattering of Waves by Viscoelastic Composites and the Characterization of Their Dynamic Properties, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 8 March 1982 through 1 November 1982. (Project 763033 - New)

\$9,406.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Non-Nitrogen Containing Dopamine Agonists, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 March 1982 through 30 November 1982. (Project 762967 - Continuation)

\$8,774.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Antivasular Endothelial Antibody in Transplantation, Department of Surgery (G. J. Cerilli), 1 December 1981 through 30 November 1982. (Project 763857 - Continuation)

\$7,560.00 - National Science Foundation, Washington, D. C., Structural and Temporal Patterns in Executive Politics, Department of Political Science (J. H. Kessel), 1 January 1983 through 30 June 1983. (Project 762546 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$7,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Unitary Group Methods in Quantum Chemistry, Department of Chemistry (I. Shavitt), 1 March 1982 through 31 July 1982. (Project 763023 - New)

\$6,500.00 - National Endowment for the Arts, Washington, D. C., Film and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1982 through 31 December 1982. (Project 763029 - Continuation)

\$4,265.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Systematic Biology, Department of Botany (D. J. Crawford), 1 April 1982 through 31 March 1984. (Project 763017 - New)

\$4,240.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Control of Synaptogenesis in Cultures of the CNS, Department of Anatomy (R. W. Burry), 1 December 1981 through 30 November 1982. (Project 761963 - Continuation)

\$3,216.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Color and Brightness Channels of the Visual System, Department of Sensory Biophysics (C. R. Ingling, Jr.), 30 September 1980 through 29 September 1981. (Project 761926 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and College of Pharmacy (A. H. Soloway), 1 March 1982 through 28 February 1983. (Project 762730 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and Graduate School Administration (J. B. LaPidus), 1 March 1982 through 28 February 1983. (Project 762731 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and College of Medicine - Administration (E. L. Craig), 1 March 1982 through 28 February 1983. (Project 762728 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and Department of Veterinary Physiology and Pharmacology (H. B. Williams), 1 March 1982 through 28 February 1983. (Project 762729 - Continuation)

\$2,932.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation - Statistical Design and Analysis, Department of Statistics (J. S. Rustagi), 4 January 1982 through 30 December 1982. (Project 763012 - New)

\$2,721.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, On-Board Portable Data Acquisition and Processing for Vehicle Testing, Department of Electrical Engineering (H. Hemami), 1 October 1981 through 31 December 1981. (Project 761987 - Continuation)

\$1,306.00 - National Endowment for the Humanities, Washington, D. C., Divine Omniscience and Omnipotence in Medieval Jewish, Islamic and Christian Philosophy, Department of Philosophy (T. Rudavsky), 1 February 1982 through 30 June 1982. (Project 763032 - New)

\$1,143.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 December 1981 through 31 August 1982. (Project 760043 - Continuation)

\$183.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 July 1981 through 30 June 1982. (Project 761742 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$2,744,398.00**

**State of Ohio Research Contracts/Grants**

\$41,403.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Parent-Professional Interaction: A Key to Parental Involvement, College of Social Work (A. Riemenschneider), 1 December 1981 through 30 September 1982. (Project 762993 - New)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$30,000.00 - State of Ohio, Department of Energy, Columbus, Ohio, Lesson Plans on Energy Management in Agriculture for Teachers of Vocational Agriculture, Department of Agricultural Education (L. E. Hedges and L. E. Miller), 1 March 1982 through 28 February 1983. (Project 763021 - New)

\$10,832.00 - Ohio Arts Council, Columbus, Ohio, Public Film/Video Exhibition in Columbus 1981/1982, Department of Photography and Cinema (R. J. Green), 1 July 1981 through 30 June 1982. (Project 763016 - Continuation)

\$5,146.00 - State of Ohio, Department of Health, Columbus, Ohio, Family Planning Out-Patient Services, Department of Obstetrics and Gynecology (F. P. Zupan), 1 March 1982 through 31 March 1982. (Project 762533 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 87,381.00**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$154,209.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 1 June 1982 through 31 May 1984. (Project 762217 - Continuation)

\$75,040.00 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - Continuation)

\$74,990.00 - Southwest Research Institute, San Antonio, Texas, Electromagnetic Reradiation Theoretical Prediction for Complex Building Structures, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 27 February 1982 through 26 February 1983. (Project 763010 - New)

\$69,874.00 - New York State Department of Labor, New York State Occupational Information Coordinating Committee, Albany, New York, National Career Education Infusion Project: Integrating the Occupational Outlook Handbook into the General Education Curriculum, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 31 October 1982. (Project 763024 - New)

\$65,515.00 - Various Pharmaceutical Labs, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass and J. L. Plouffe), 1 March 1982 through 28 February 1983. (Project 763020 - New)



May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$54,809.00 - National Joint Painting, Decorating and Drywall Apprenticeship and Training Committee, Washington, D. C., To Provide Services to the National Joint Painting, Decorating and Drywall Apprenticeship and Training Committee, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1982 through 31 July 1982. (Project 762988 - New)

\$50,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Application for a Grant to Help Create an American Cancer Society Professorship of Clinical Oncology, Department of Surgery (J. P. Minton), 1 July 1982 through 30 June 1984. (Project 761833 - Continuation)

\$44,662.00 - Michigan State University, East Lansing, Michigan, Neuro-oncogenesis by Resorptive Carcinogens, Department of Veterinary Pathobiology (K. Marushige), 1 October 1981 through 30 June 1982. (Project 763040 - New)

\$42,935.00 - International Training and Education Company, Framingham, Massachusetts, Development of "Clerk General Level I" Curriculum, The National Center for Research in Vocational Education (R. E. Taylor), 1 March 1982 through 30 August 1982. (Project 763014 - New)

\$39,899.00 - University of Minnesota, St. Paul, Minnesota, Schools and Adolescent Development, Department of Psychology (D. A. Blyth), 1 January 1982 through 31 December 1982. (Project 762683 - Continuation)

\$34,000.00 - University Genetics Co., Norwalk, Connecticut, Designed Novel Vectors, Department of Genetics (P. S. Perlman), 31 December 1981 through 31 December 1982. (Project 763018 - New)

\$26,000.00 - Commonwealth of Pennsylvania, Department of Education, Harrisburg, Pennsylvania, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 763035 - Continuation)

\$24,992.00 - Boeing Aerospace Company, Seattle, Washington, Radar Cross-Section (RCS) Controls, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 22 March 1982 through 15 December 1982 (Project 763042 - New)

\$24,000.00 - City of Columbus, Division of Fire, Columbus, Ohio, City of Columbus Fire Project, College of Administrative Science, Continuing Education (J. J. Stanley), 1 October 1981 through 31 March 1982. (Project 762950 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$23,750.00 - University of Dayton, Dayton, Ohio, Analyzation and Evaluation of the AN/GYK-31 System, Department of Computer and Information Science (T. Y. Feng), 20 January 1982 through 30 September 1982. (Project 763041 - New)

\$23,498.00 - New Mexico Institute of Mining and Technology, Socorro, New Mexico, A Proposed Subcontract for Research on the Volcanic and Climatic Record of Antarctic Ice Cores, Institute of Polar Studies (E. Mosley-Thompson and D. H. Elliot), 15 January 1982 through 30 June 1982. (Project 763009 - New)

\$22,000.00 - The Columbus Foundation, Columbus, Ohio, An Investigation of Non-Traditional Funding Sources, Telecommunications Center (D. K. Ouzts), 1 November 1981 through 31 October 1982. (Project 762997 - New)

\$19,646.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination, Department of Microbiology (H. R. Blackwell), 1 July 1981 through 30 June 1982. (Project 760716 - Continuation)

\$19,235.00 - Ministry of Education, Government of Malaysia, Kuala Lumpur, Malaysia, Malaysian Staff Training - Programme II, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1982 through 31 December 1982. (Project 763015 - New)

\$16,937.00 - Elsa U. Pardee Foundation, Midland, Michigan, A Study of Serum Lipids in Colon Cancer Patients, Cancer Research Center (N. A. Reiches), 1 March 1982 through 28 February 1983. (Project 763028 - New)

\$16,000.00 - Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, Remote Acoustic Sensing of Suspended Particle Distributions, Department of Civil Engineering (K. W. Bedford) and Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 28 March 1982 through 30 September 1982. (Project 763037 - New)

\$14,467.00 - Ohio Coal Research Laboratories Association, Inc., Columbus, Ohio, Fracture Mechanics and Structural Responses Associated with Energy Resource Recovery, Department of Engineering Mechanics (S. H. Advani and T. G. Richard), 16 June 1980 through 15 March 1983. (Project 762227 - Continuation)

\$14,200.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 February 1982 through 31 May 1982. (Project 762511 - Continuation)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$10,653.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Elastic Wave Scattering by Flaws for Application in NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 1 February 1982 through 31 May 1982. (Project 762502 - Continuation)

\$9,420.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Kinetic Requirements for the High Intensity Combustion of Coal as Data Source for Design of Small Coal Burners for Industrial Use, Department of Mechanical Engineering (R. H. Essenhigh), 26 May 1980 through 31 December 1982. (Project 762203 - Continuation)

\$6,765.00 - American Veterinary Medical Association, Schaumburg, Illinois, Segmental Epidural and Subarachnoid Analgesia in Conscious Horses, Department of Veterinary Clinical Sciences (R. T. Skarda), 1 March 1982 through 31 August 1982. (Project 763008 - New)

\$6,000.00 - C. S. G. Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 March 1982 through 31 May 1982. (Project 763026 - New)

\$5,754.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement between Southeastern Ohio Technical Education Consortium and The Ohio State University Research Foundation, Cooperative Extension State Operations (C. J. Cunningham) and Cooperative Extension Field Operations (L. G. Sanford and D. P. Miller), 4 January 1982 through 31 March 1982. (Project 763030 - New)

\$5,000.00 - Family Health Foundation of America, Kansas City, Missouri, A Study of the Effect of a Supervised Aerobic Exercise Program on In-Term and Long-Term Success of a Smoking Cessation Clinic, Department of Family Medicine (L. L. Gabel and R. Lowry), 1 February 1982 through 30 June 1983. (Project 763019 - New)

\$4,977.00 - The University of Arizona, Tucson, Arizona, Revision Specifications for Arizona Model for Vocational Assessment, The National Center for Research in Vocational Education (R. E. Taylor), 15 March 1982 through 30 June 1982. (Project 763002 - New)

\$4,938.00 - The University of Arizona, Tucson, Arizona, Field Test of the Arizona Model for Vocational Assessment, The National Center for Research in Vocational Education (R. E. Taylor), 18 January 1982 through 30 March 1982. (Project 763000 - New)

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$4,920.00 - The University of Arizona, Tucson, Arizona, Training Workshop for a Field Test of the Arizona Model for Vocational Assessment, The National Center for Research in Vocational Education (R. E. Taylor), 14 February 1982 through 11 March 1982. (Project 763001 - New)

\$4,610.00 - American Academy of Physician Assistants, Arlington, Virginia, Self-Assessment and Self-Paced Learning Modules for Physicians Assistants, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 March 1982 through 30 April 1982. (Project 762258 - Continuation)

\$3,772.93 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - Continuation)

\$3,707.00 - Chemical Abstracts Service, Division of The American Chemical Society, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. Shulman), 16 March 1982 through 15 June 1982. (Project 762213 - Continuation)

\$2,000.00 - Durham Technical Institute, Durham, North Carolina, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$1,000.00 - Wildlife Management Institute, Washington, D. C., Metal Ion Absorption and Toxicity in Pine Seedlings, Department of Botany (E. D. Rudolph and F. A. Miller), 1 April 1982 through 30 September 1982. (Project 763038 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER**

**NON-FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$1,024,174.93**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$205,653.00 - 45 sponsors for 47 development projects under the direction of 11 engineering departments and research areas.

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contract/Grant**

\$321,396.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, continued support of the North Central Region special studies program for pesticide impact assessment, OARDC, to February 19, 1984.

**Industrial and Other Contracts/Grants**

\$113,221.00 - Ross Laboratories, Columbus, Ohio, continued support of studies on Rotavirus: immunization of prepartum dairy cows and passive protection in neonates, Department of Veterinary Science, April 1, 1982 to March 31, 1984.

\$51,550.00 - Ross Laboratories, Columbus, Ohio, continued support of studies of Rotavirus: immunization of prepartum dairy cows, Department of Dairy Science, April 1, 1982 to March 31, 1984.

\$29,612.00 - Ross Laboratories, Columbus, Ohio, support of a study on effect of two high nitrogen liquid formula diets on fecal composition, fecal transit time and nitrogen balance in healthy college students, Department of Home Economics, April 1 to October 1, 1982.

\$8,250.00 - Robinson Hybrids, Inc., Delaware, Ohio, continued support of a study on an accelerated breeding program for the development of early maturity corn inbred lines, Department of Agronomy, to December 31, 1982.

\$3,000.00 - Lilly Research Laboratories, Division of Eli Lilly and Company, Greenfield, Indiana, support of a study on the effect of continuous versus withdrawal of Tylosin from swine feeds, Department of Animal Science, January 27 to June 30, 1982.

\$3,000.00 - University of California, Department of Land, Air and Water Resources, Davis, California, continued support of a study on mechanism of frost heave pressures, Department of Agronomy, to July 31, 1982.

**TOTAL INDUSTRIAL AND OTHER CONTRACTS/GRANTS** **\$208,633.00**

**Gifts of \$5,000 or More**

\$10,000.00 - Foundation for Agronomic Research, Atlanta, Georgia  
5,000.00 - Potash & Phosphate Institute, Atlanta, Georgia

**TOTAL GIFTS** **\$ 15,000.00**

May 7, 2982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$39,000.00	PPG Industries Foundation, Pittsburgh, Pennsylvania--\$20,000.00 for Pittsburgh Plate Glass Fund; \$10,000.00 for Advance Design Lab--Mechanical Engineering; \$5,000.00 for Affirmative Action Program; \$4,000.00 for Minority Assistance Program.
\$20,000.00	Jerome Fix, Cincinnati, Ohio, for Veterinary Medicine Education and Research Fund.
\$20,000.00	TRW Foundation, Cleveland, Ohio--\$15,000.00 for TRW Grant in Industrial Systems Engineering; \$5,000.00 for TRW Fellowship in Mechanical Engineering.
\$17,154.82	Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
\$16,308.30	University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.
\$15,000.00	Uniroyal Chemical Company, Naugatuck, Connecticut, for Plant Protection Professorship.
\$13,500.00	St. Joe Minerals Company, New York, New York, for St. Joe Mineral Fellowship.
\$10,624.00	Sisa, Inc., Cambridge, Massachusetts, for Department of Pharmacology.
\$10,000.00	Harris Corporation, Melbourne, Florida, for Electrical Engineering Special Fund.
\$10,000.00	L.B.E.M. Cullman Foundation, New York, New York, for Cullman Business Policy Fund.
\$10,000.00	Trust Under Will of Anna Roessler, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.
\$ 9,700.00	Estate of Fred Hitchcock, Columbus, Ohio, for Fred A. Hitchcock Professorship.
\$ 9,300.00	American Foundation Pharmaceutical Education, Fair Lawn, New Jersey, for American Foundation Pharmaceutical Education Fund.
\$ 7,890.00	Eastman Kodak Company, Rochester, New York, for Kodak Fellows Program.

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$ 7,605.00 Dow Chemical USA, Midland, Michigan--\$3,000.00 for Dow Research Fellowship; \$2,000.00 for Minority Assistance Program; \$2,000.00 for Student Athlete Grant-in-Aid; \$250.00 for undesignated purposes; \$205.00 for Class of Champions; \$100.00 for Class of 1931 Fund; \$50.00 for Friends of WOSU.
- \$ 7,000.00 Conoco, Inc., Houston, Texas, for Conoco Fellowship in Chemistry.
- \$ 7,000.00 Firestone Tire & Rubber Company, Akron, Ohio, for Chemistry and NMR Research Fund.
- \$ 6,500.00 Adria Laboratories, Columbus, Ohio--\$3,500.00 for PADM Research-Education Fund; \$3,000.00 for Toxicology Research Fund.
- \$ 6,500.00 Gulf Research Development (Gulf Oil), Pittsburgh, Pennsylvania, for Mechanical Engineering Coal Combustion Fund.
- \$ 6,011.30 Merrymakers Club, Columbus, Ohio, for National Achievement Merrymakers Fund.
- \$ 6,000.00 Economic Education Center of Central Ohio, Columbus, Ohio, for Economic Education Fund.
- \$ 5,464.00 Deloitte Haskins & Sells Foundation, New York, New York--\$2,100.00 for J. R. McCoy Scholarship Fund; \$1,000.00 for Student Athlete Grant-in-Aid Fund; \$825.00 for Accounting Special Fund; \$775.00 for College of Administrative Science Fund; \$500.00 for University Activities Fund; \$150.00 for H. C. Miller Memorial Fund; \$65.00 for undesignated purposes; \$49.00 for Friends of WOSU.
- \$ 5,050.00 Donald Cruickshank, Columbus, Ohio, for fund to improve teacher education.
- \$ 5,000.00 Beulah Brown, Columbus, Ohio, for Dr. Howard Brown Fund.
- \$ 5,000.00 Ohio Quarter Horse Association, Richwood, Ohio, for Quarter Horse Building.
- \$ 5,000.00 Swift Industries Packing Company, Chicago, Illinois, for Kottman Scholars Program.

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$ 5,000.00 U. S. Steel Corporation, Pittsburgh, Pennsylvania, for Engineering Evaluation Program.

\$ 5,000.00 Wayne County National Bank, Wooster, Ohio, for Kottman Scholars Program.

Establishment of Named Funds

The John C. Geupel Chair Fund

The John C. Geupel Chair Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from John C. Geupel of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for salary and program support for a distinguished teacher, researcher and engineer in the Department of Civil Engineering. Appointment to the Geupel Chair will be upon the recommendation of the Dean of the College of Engineering to the President and approval of the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for civil engineering education.

Biological Environmental Research Fund

The Biological Environmental Research Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Columbia Gas of Ohio.

Gifts to this fund are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for support of biological environmental research to be conducted by faculty in the College of Biological Sciences at the Neotoma preserve, Hocking County, Ohio. The Dean of the College of Biological Sciences is authorized to invade the



May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Biological Environmental Research Fund (contd)**

principal amount of the endowment if necessary, and will have sole authority to approve expenditures from the fund.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for biological sciences education and research.

**The Sheldon B. Ackerman Endowment Fund**

The Sheldon B. Ackerman Endowment Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University through The Ohio State University Development Fund from the family and friends of Sheldon B. Ackerman.

All gifts are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to establish a prize to be known as the Sheldon B. Ackerman Award to be given to an outstanding student(s) in the area of business logistics or for similar outstanding achievement in marketing. The selection of the recipient(s) will be recommended by the faculty member holding "The James R. Riley Professorship (designated) in Transportation and Business Logistics." If the Riley professor does not exercise the selection option, then the chairman of the marketing faculty will recommend the recipient(s). All recommendations are to be approved by the dean of the College of Administrative Science.

Should the need for the fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference given to recommendations from the appropriate administrative official who is then directly responsible for marketing education.

**The William J. Skou Faculty Enrichment Fund**

The William J. Skou Faculty Enrichment Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of William J. Skou, M.S. '51, of Akron, Ohio, in memory of his service as a faculty member of The Ohio State University Agricultural Technical Institute, Wooster, Ohio.

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The William J. Skou Faculty Enrichment Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income may be used exclusively for full-time faculty members of The Ohio State University Agricultural Technical Institute for defraying costs involved in attending off-campus professional meetings, courses and similar educational meetings with the funds being used to defray travel expenses, lodging, meal costs and registration fees. All requisitions for funds will be approved by the Director of the Agricultural Technical Institute.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees of the University with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for faculty enrichment programs in the area of technical agriculture.

**The William J. Skou Scholarship Fund**

The William J. Skou Scholarship Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of William J. Skou, M.S. '51, of Akron, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income (over and above what must be added to the principal to offset the annual inflation rate) is to be used to provide one or more scholarships for students entering the field of floriculture and/or greenhouse production of flowers or ornamentals. Only students in the upper third of their graduating high school class, and without regard to their parent's income level, can be selected to receive the scholarships. Further, of the annual income available for distribution, 50 per cent will be utilized for scholarship recipients at The Ohio State University Columbus Campus and the remaining 50 per cent of the income for scholarship recipients at The Ohio State University Agricultural Technical Institute Campus. Selection of recipient(s) is to be made upon the recommendation of a committee comprised of the Chairman, Department of Horticulture (Columbus Campus), the Director of the Agricultural Technical Institute and the Dean of the College of Agriculture and Home Economics with the latter serving as chairman (designees of these officers may serve as the recommending committee).

May 7, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The William J. Skou Scholarship Fund (contd)**

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees of the University with preference being given to recommendations from the appropriate administrative officials of the University who are then directly responsible for floriculture education at either the Columbus Campus or at the Agricultural Technical Institute.

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER PROJECTS**

Resolution No. 82-104

*Synopsis: Authorization to employ architectural/engineering firms for six projects is requested.*

WHEREAS Amended Substitute House Bill 552 contains capital appropriations for the following projects at the Ohio Agricultural Research and Development Center of The Ohio State University:

Gnotobiotic Laboratory  
Farm Headquarters, Storage Building, Land Improvement  
Agronomy Farm  
Research Services Building  
Agricultural Museum  
Utilities and Renovation Projects

WHEREAS it is important that plans for these projects be completed as soon as possible:

**NOW THEREFORE**

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to select a qualified architectural/engineering firm for each project listed above from lists of firms requested from and provided by the Department of Administrative Services and that the fees for these architectural/engineering services be negotiated between the firms selected and the Department of Administrative Services, Division of Public Works.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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May 7, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT**

**VARIOUS HEALTH SCIENCES CENTER RENOVATION PROJECTS**

Resolution No. 82-106

*Synopsis: Authorization to employ an architect to define projects and develop schematics for various renovation projects within the Health Sciences Center is requested.*

WHEREAS several projects have been requested by the Health Sciences Center to be accomplished over the next five years to support teaching and research, patient care, and administration and support services; and

WHEREAS these renovations will improve space utilization to accommodate increased work load within University Hospitals, will increase operational efficiency, will provide greater efficiency in patient treatment, and will upgrade facilities permitting use of modern technology; and

WHEREAS the University Hospitals Board endorsed these renovations at their meeting of January 26, 1982:

NOW THEREFORE

BE IT RESOLVED, That the firm of C. Curtis Inscho and Associates of Columbus, Ohio, be employed to provide all architectural consulting services to define the various projects required and define schematic representation of those necessary projects and that the fee for these services be negotiated between the firm and the Department of Administrative Services, Division of Public Works, within the limits established by The Ohio State University, and that funds be provided for these consulting services from the University Hospitals.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 82-106

*Synopsis: Plans and specifications are being proposed for the following projects.*

WHEREAS at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

May 7, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**ELECTRICAL DISTRIBUTION IMPROVEMENTS, PROJECT A (SUBSTATION B)  
ELECTRICAL DISTRIBUTION IMPROVEMENTS, PROJECT B (RESEARCH CENTER)**

**Project:** Substation B - Install new 5KV switchgear to replace the obsolete equipment which is no longer adequate.

Research Center - Extend the main campus 15KV electrical distribution system to the Research Center buildings to improve the electrical service and reduce energy costs.

**Funding:** H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

**Estimated Project Cost:** \$510,000

**FAWCETT CENTER FOR TOMORROW - ROOF REPLACEMENT**

**Project:** Extensive roof repairs to prevent severe water damage to the interior of Fawcett Center for Tomorrow.

**Funding:** Budget Account 210134 (Contract Repair)

**Estimated Project Cost:** \$400,000

**ELEVATOR REPLACEMENTS - PROJECT A (POMERENE AND JOHNSTON)**

**Project:** Installation of new passenger elevators to replace obsolete elevators for which repair parts are no longer available. The new units will be complete with provisions for the handicapped added.

**Funding:** H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

**Estimated Project Cost:** \$230,000

**WINDOW REPLACEMENT - PROJECT C (HASKETT HALL)**

**Project:** Installation of new windows to replace the existing deteriorated and energy inefficient units.

**Funding:** H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

**Estimated Project Cost:** \$220,000

May 7, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**LIGHTING IMPROVEMENTS - PROJECT A**

**Project:** Installation of new energy efficient fluorescent lighting fixtures to replace obsolete incandescent units to improve lighting and reduce energy consumption and maintenance costs.

**Funding:** H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

**Estimated Project Cost:** \$140,000

**OHIO UNION PARKING RAMP - INSTALLATION OF NEW  
13.2KV ELECTRICAL SERVICE**

**Project:** Installation of primary 15KV 3 phase electrical service from Sullivant Hall. By transferring this electrical load from a direct utility company service to the University's distribution system it is estimated that a \$9,000 annual savings will be made.

**Funding:** Budget Account 885178

**Estimated Project Cost:** \$42,544

**LINCOLN TOWER - INSTALLATION OF TELEPHONE DUCTS**

**Project:** Installation of telephone duct work from the manhole at the southeast corner of Drake Union on Cannon Drive to Room 128 of Lincoln Tower. The duct system is to be used in conjunction with the expansion of the University's telephone system.

**Funding:** Budget Account 885171

**Estimated Project Cost:** \$39,013

**NOW THEREFORE**

**BE IT RESOLVED,** That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

May 7, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

BE IT FURTHER RESOLVED, That these actions be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-107

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**MCCRACKEN POWER PLANT  
INSTALLATION OF DESUPERHEATERS AND  
PIPING INSULATION RETROFIT (ECM-3)**

Description: Installation of a desuperheater in the Power Plant to reduce temperature of steam distribution through the system and installation of additional insulation of piping in selected areas in the five-mile tunnel system to further reduce heat losses. These modifications will substantially save dollars in energy costs and will have a two-and-one-half year payback.

**Mechanical Contract**

Date Received:	March 23, 1982
No. of Bids:	10
Low Bid:	\$ 84,300.00
High Bid:	\$120,110.00
Estimate of Cost:	\$108,270.00
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

May 7, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**MCCRACKEN POWER PLANT  
INSTALLATION OF DESUPERHEATERS AND  
PIPING INSULATION RETROFIT (ECM-3) (contd)**

Insulation Contract

Date Received:	March 23, 1982
No. of Bids:	6
Low Bid:	\$325,430.00*
High Bid:	\$450,000.00*
Estimate of Cost:	\$413,252.29*
Awarded to:	M. K. Moore and Sons, Inc., Dayton, Ohio
Total All Contracts:	\$409,730.00
Total Contingency Allowance:	\$ 38,681.63 which is 9 per cent of construction contracts
Total Project Cost:	\$500,000.00
Funding:	Federal Grant (\$250,000) and matching funds from the Ohio Board of Regents and University Funds (Budget Account 885153)

\* Recommended Alternates reflected in these figures.

**PARKING LOT MAINTENANCE - 1981-82  
RESURFACING AND DRAINAGE MODIFICATIONS**

Description: Resurfacing and drainage modifications will be accomplished for the following parking lots:

Dentistry Lot  
French Field House/St. John Arena - North Lot  
Printing Facility - East Lot  
Tuttle Park Lots 3 and 4 West and 1 and 2 East  
Water Resources Lot  
French Field House - South Lot  
Fawcett Center - North and South Lots



May 7, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**PARKING LOT MAINTENANCE - 1981-82  
RESURFACING AND DRAINAGE MODIFICATIONS (contd)**

**General Contract**

Date Received:	March 23, 1982
No. of Bids:	7
Low Bid:	\$356,770.00*
High Bid:	\$447,995.05*
Estimate of Cost:	\$532,296.00*
Awarded to:	Central Ohio Asphalt Paving, Inc., Hilliard, Ohio
Total Contract:	\$356,770.00
Total Contingency Allowance:	\$ 35,677.22 which is 10 per cent of construction contract
Total Project Cost:	\$512,154.81
Funding:	Budget Account 885071

\* Recommended Alternate reflected in these figures.

**PARKING LOT MAINTENANCE - 1981-82  
PATCH, REPAIR, AND SLURRY SEAL**

Description: Patch, repair, and slurry seal work will be accomplished due to deterioration on the following lots:

University Airport - Main Parking Lot  
Dodd Hall - South Lot  
Research Center Lots

**General Contract**

Date Received:	March 23, 1982
No. of Bids:	5
Low Bid:	\$104,767.00
High Bid:	\$145,880.00
Estimate of Cost:	\$164,744.00
Awarded to:	Strawser Paving Company, Columbus, Ohio

May 7, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**PARKING LOT MAINTENANCE - 1981-82  
PATCH, REPAIR, AND SLURRY SEAL (contd)**

Total Contract: \$104,767.00  
Total Contingency Allowance: \$ 16,239.00 which is 16 per cent of construction contract  
Total Project Cost: \$149,799.64  
Funding: Budget Account 885071

**WOODRUFF AVENUE, REPAIR/REPLACE CURBS AND SIDEWALKS**

Description: Repair of curbs and sidewalks on the north side of Woodruff Avenue from Neil Avenue to High Street. This is necessary due to deterioration.

General Contract

Date Received: March 23, 1982  
No. of Bids: 7  
Low Bid: \$ 33,320.00  
High Bid: \$ 45,209.00  
Estimate of Cost: \$ 35,000.00  
Awarded to: Tom Mayle & Sons, Cutler, Ohio  
Total Contract: \$ 33,320.00  
Total Contingency Allowance: \$ 853.16 which is 3 per cent of construction contract  
Total Project Cost: \$ 35,500.00  
Funding: Budget Account 210134 (Contract Repair)

**PARKING LOT MAINTENANCE - 1981-82  
PATCH, REPAIR, AND EMULSION SEAL COAT**

Description: Patching, repair, and seal coating will be accomplished for the following parking lots: Women's Field House; Drackett (North of Curl Drive); Cunz Hall; Kinsman (Belmont and 10th Avenue); Goss Laboratory (South); Sisson (Northeast); and Laundry. These repairs are needed due to deterioration.

May 7, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**PARKING LOT MAINTENANCE - 1981-82  
PATCH, REPAIR, AND EMULSION SEAL COAT (contd)**

**General Contract**

Date Received:	March 23, 1982
No. of Bids:	7
Low Bid:	\$ 28,259.00
High Bid:	\$ 39,929.00
Estimate of Cost:	\$ 35,873.00
Awarded to:	Miller Sealing & Trucking Co., Inc., Hilliard, Ohio
Total Contract:	\$ 28,259.00
Total Contingency Allowance:	\$ 3,673.60 which is 13 per cent of construction contract
Total Project Cost:	\$ 41,296.00
Funding:	Budget Account 885071

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**INCREASE IN THE NUMBER OF CARRIERS AUTHORIZED  
TO PARTICIPATE IN TAX DEFERRED ANNUITY PROGRAM**

Resolution No. 82-108

*Synopsis: An increase in the number of carriers authorized to participate in the University's Tax Deferred Annuity program is recommended.*

WHEREAS on July 6, 1973, this Board selected four carriers to provide and service a Tax Deferred Annuity program for University faculty and staff; and

May 7, 1982 meeting, Board of Trustees

**INCREASE IN THE NUMBER OF CARRIERS AUTHORIZED  
TO PARTICIPATE IN TAX DEFERRED ANNUITY PROGRAM (contd)**

WHEREAS the Aetna Variable Annuity Life Insurance Company, the Prudential Life Insurance Company of America, the Teachers Insurance Annuity Association and College Retirement Equities Fund, and the Variable Annuity Life Insurance Company have served as carriers to the faculty and staff for this program; and

WHEREAS a periodic review indicated that the Tax Deferred Annuity program might be enhanced by offering faculty/staff members one or more new carrier/plan choices; and

WHEREAS a solicitation of 35 companies by means of bid specifications was made and 21 proposals were received; and

WHEREAS based on an analysis of the bid proposals, it is recommended that H. C. Copeland and Associates and T. Rowe Price be authorized as of August 1, 1982, to provide their Tax Deferred Annuity programs for University faculty/staff:

NOW THEREFORE

BE IT RESOLVED, That H. C. Copeland and Associates and T. Rowe Price, selected on the basis of their specific bid proposals, be authorized to provide and service their Tax Deferred Annuity programs for the University faculty/staff effective August 1, 1982.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**TRIBUTE TO CHESTER DEVENOW**

President Jennings:

Mr. Chairman, I would like now to call on Professor Protheroe, who I see in the audience, who would like to make a comment.

Professor Protheroe:

President Jennings, I have been asked by a group of faculty to come before the Board to read a statement to you today. It is dated May 7, 1982.

To Mr. Chester Devenow:

The below named faculty, speaking directly in their own names and symbolically for the entire faculty, wish to express to you our thanks for your service to our University. You have consistently given of yourself to The Ohio State University beyond that which could be reasonably expected. Your devotion and attention to our academic endeavour has been an example to us which serves to reinforce our collective belief in Ohio State.

May 7, 1982 meeting, Board of Trustees

**TRIBUTE TO CHESTER DEVENOW (contd)**

In recognition of your efforts, we wish to do something which we have no power to do in either rule or in law but which we feel we have in spirit and in mind. We would confer upon you the title Professor and ask that you accept this act and, in so doing, will feel free, if not obligated, to continue your association with Ohio State. We invite you to join us, at your pleasure, in the Faculty Club, in our classrooms, in our laboratories and in our studies. We will not settle for a mere nine years of your devotion and we therefore ask you to continue with us.

With our deep thanks and appreciation,

ROBERT L. BARTELS	Professor of Health and Physical Education
MORRIS BEJA	Professor of English
GOODWIN BERQUIST	Professor of Communications
S. LESLIE BLATT	Professor of Physics
DAVID H. BOYNE	Professor of Agricultural Economics and Rural Sociology
CHARLES H. BREWER	Professor of Architecture
EUGENE R. CAPRIOTTI	Professor of Astronomy
PHILLIP M. CLARK	Professor of Psychology
CHARLES E. CORBATO	Professor of Geology
W. ARTHUR CULLMAN	Professor of Marketing
DAVID W. DEAN	Professor of Mathematics
RAYMOND W. DOSKOTCH	Professor of Pharmacy
WARREN W. EASON	Professor of Economics
NATHAN S. FECHHEIMER	Professor of Dairy Science
JOHN B. GABEL	Professor of English
J. BRUCE GRIFFING	Professor of Genetics
LAWRENCE J. HERSON	Professor of Political Science
CHARLES W. HOFFMANN	Professor of German
CALVIN M. KUNIN	Professor of Medicine
RICHARD R. LANESE	Professor of Preventive Medicine
ROY A. LARMEE	Professor of Educational Administration
ILSE LEHISTE	Professor of Linguistics
ARTHUR W. LEISSA	Professor of Engineering Mechanics
HERBERT S. LIVINGSTON	Professor of Music
FRANKLIN M. LUDDEN	Professor of Art History
SVEN B. LUNDSTEDT	Professor of Public Administration
MARK P. MORFORD	Professor of Classics
ANDREW G. OLDENQUIST	Professor of Philosophy
THOMAS E. POWERS	Professor of Veterinary Physiology and Pharmacology
WILLIAM M. PROTHEROE	Professor of Astronomy
EDWARD RAY	Professor of Economics
KENT P. SCHWIRIAN	Professor of Sociology
WILLIAM B. SHOOK	Professor of Ceramic Engineering
FRANK R. SILBAJORIS	Professor of Slavic Languages
FREDERIC D. STOCKER	Professor of Economics
MARLIN O. THURSTON	Professor of Electrical Engineering
GISELA M. VITT	Associate Professor of German
MARVIN R. ZAHNISER	Professor of History

May 7, 1982 meeting, Board of Trustees

**TRIBUTE TO CHESTER DEVENOW (contd)**

Professor Protheroe: (contd)

I think 'Professor Devenow' when you look at the breadth of disciplines represented you will realize your professorship is not an ordinary one but rather it is most cosmic in nature.

Mr. Devenow:

Thank you, Professor Protheroe. I am shocked and delighted and at a loss for words for the first time in nine years but very grateful for the recognition, and you can be assured that whether I am or am not a professor, I will continue my deep and committed dedication to this University. As I said last night, it is a great, great complex. It goes beyond the ordinary realm of anything I have ever been in, and I feel very honored and grateful that I have had an opportunity to serve. Thank you very, very much.

President Jennings:

Thank you, Bill. Professor Devenow, we expect you to agree with everything that the Board says from here on out.

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**RECOGNITION OF THE SEVENTY-FIFTH ANNIVERSARY OF SPHINX**

Resolution No. 82-109

WHEREAS: Sphinx, the Senior Honor Society, is today celebrating its 75th Anniversary of service to The Ohio State University; and

WHEREAS: Sphinx Plaza is to be dedicated today as an anniversary gift from the honor society commemorating its 75 years of loyalty and service to our University; and

WHEREAS: the Sphinx Plaza makes substantial esthetic contribution to the campus environment in support of our educational activities and helps complete the master plan for the area enclosed by University Hall, the Main Library, Townsend Hall, and Independence Hall:

NOW THEREFORE, BE IT RESOLVED, that the Board of Trustees accept with deep gratitude the gift of Sphinx Plaza in tribute to that organization whose leadership and individual members have, through time, provided exemplary and exceptional service to their Alma Mater, The Ohio State University.

Upon motion of Dr. Jacob, seconded by Mr. Smith, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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May 7, 1982 meeting, Board of Trustees

### THANKS BY CHESTER DEVENOW

Mr. Devenow:

Well, maybe I can take five minutes to thank everybody in the total University for all the support that you have given me. I have never felt more comfortable than I have with this Board of Trustees. They are a bunch of magnificent men that they have. I hope you understand and take it back to your constituencies that they spend a lot of time and they give a lot of concern to all the problems of the University, and they are deeply concerned about all the problems that we face at the University, and the Board of Trustees is normally considered to be just a rubber stamp operation; but that is not a fact at Ohio State. I found that out, we have got individual men with individual opinions, and over the last nine years they have with complete commitment and dedication made decisions which they felt were best for the total University, the faculty, students and administration, and I feel very confident that the future of Ohio State is in very secure hands. You have a President who is one of the ablest men I have met in many, many years, and one who knows what the problems are and probably will, in my opinion, resolve those problems to the best interests of all of us. So I take leave with great confidence that this is the beginning of a tremendous growth area for Ohio State. You've got everything; the question is, 'How you develop it?' Is that five minutes up? I feel like some Senator filibustering.

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### APPRECIATION TO CHESTER DEVENOW

Mr. Smith:

You know when you get the first appointment you have nine years, it seems like a long time and yet it goes very quickly. Sometimes it's a flash of leaky roofs and parking lots that need paved and buildings that are constructed, but it is more than that. There are light moments like Barnebey Center, which I am sure you remember, Barnebey Center which we visited, etc., and there are thorny problems like the practice plan and like the budget problems that you just led us through; but I think you put your finger on it last night when you were talking to the group and that was: it is different from our work-a-day life what we do here at the University. There is a marked difference for all of us to observe, and I think it is an institution that is going to be here after we are all gone, after we are all dust. Somehow there are many parts to us, and a lot of people make the contribution that makes it a great university. I think in your years of service you have made your contribution, and it will live a long time with this institution.

Mr. Devenow: Thank you very much, thank you.

President Jennings:

Well, we are not in television so we can't stretch this further. I want to, from the University, present perhaps a small symbol of our appreciation to you--speaking for the entire University--with a couple of small tokens that perhaps will allow you to remember us by.

May 7, 1982 meeting, Board of Trustees

**APPRECIATION TO CHESTER DEVENOW (contd)**

President Jennings presented a plaque (State of Ohio) with the inscription:

# Chester Devenow

*Member,  
The Ohio State University  
Board of Trustees  
1973-1982  
Chairman, 1980-1982*

In appreciation to Chester Devenow  
for outstanding leadership, service and dedication  
to  
The Ohio State University.



President Jennings:

We will present you also with a gavel in recognition of your outstanding contribution as Chairman of this Board from all of us at the University.

**Chester Devenow**  
in appreciation of his service  
to the Board of Trustees of  
The Ohio State University  
**Member 1973-82**  
**Chairman 1980-82**

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May 7, 1982 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-110

RESOLVED, That the report on the University's Investment Portfolio, dated April 16, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, June 10, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Chester Devenow  
Chairman

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**APPENDIX IV**

**Degrees Conferred at**

**THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION**

**June 11, 1982**

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## Commencement Speaker

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### **Roy M. Kottman**

Roy M. Kottman has devoted more than 22 years of service to the state of Ohio. Before being appointed vice president for Agricultural Administration and executive dean for Agriculture, Home Economics, and Natural Resources—he served as dean of the College of Agriculture and Home Economics for more than 20 years. Aside from holding a professorship in the Department of Animal Science, he is also director of both the Ohio Agricultural Research and Development Center and the Cooperative Extension Service. In his various administrative posts, he has forged a strong link between the University and business and industry. He has ensured that the great assets and resources of Ohio State have been and will continue to be made available to the farming community, not only throughout Ohio, but throughout the world. Although Dr. Kottman's basic field is animal science—specifically genetics and breeding—his interests and activities encompass all aspects of research and education in agriculture, home economics, and natural resources. He has received numerous awards for his outstanding service and holds an honorary degree from the University of Wooster. Dr. Kottman is a Fellow of the American Society of Animal Science and is a member of the honorary societies of Sigma Xi and Phi Kappa Phi, as well as a member of Gamma Sigma Delta and Alpha Zeta, agricultural honoraries. In recognition of his service to the University and to the state of Ohio, a permanent endowment in his name was established to provide financial support to students majoring in agriculture, home economics, or natural resources.

The University is proud to have this distinguished administrator, researcher, and teacher address the graduates of its 280th Commencement.

## Recipients of Honors

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### **R. M. Lumiansky**

#### Doctor of Humane Letters

An internationally recognized scholar of medieval literature, Dr. Lumiansky is one of the most influential spokesmen for the humanities in the United States today. Dr. Lumiansky played a pivotal role in the establishment of the National Endowment for the Arts and the National Endowment for the Humanities. Most recently, he was a member of the Presidential Task Force on the Arts and Humanities. A teacher and scholar for more than a quarter century, he is an academic administrator and leader as well. He served as chairman of the departments of English at two universities, as well as dean and then provost at Tulane University. He has taught at Tulane University, Duke University, the University of Pennsylvania, and New York University. Professor Lumiansky's translation of Chaucer stands as a classic and has brought the joy of the famous poet's work to many modern readers. His scholarly work has been recognized by the governments of France, from which he received the *Palme Académiques*, and of Italy, from which he received the *Stella della Solidarietà Italiana*. He received a Guggenheim Fellowship in 1968 and is a Fellow of the Medieval Academy of America and of the American Academy of Arts and Sciences. An author of eight books and more than fifty scholarly articles, he has received honorary degrees from the University of South Carolina, the University of Southern California, the City University of New York, and the University of North Carolina. In bestowing this honor, the University seeks to recognize Dr. Lumiansky for his unflinching commitment to higher education, to scholarship, and, most especially, to the advancement of the humanities.

### **Elmer Boyd Staats**

#### Doctor of Humane Letters

After receiving his doctoral degree from the University of Minnesota, Elmer Staats joined the New Deal Bureau of the Budget in 1939 and headed up its War Agencies Section during World War II. Serving in every administration since Roosevelt's, he was appointed Comptroller General of the United States by President Johnson. In his fifteen years as head of the Government Accounting Office, Elmer Staats transformed what was once essentially an accounting and auditing organization into a highly respected voice in public policy. Under his leadership, the GAO's mission increasingly became one of management consulting—helping other government agencies organize and economize. He also helped shift its focus from examination of financial statements to comprehensive evaluation of large government programs such as Social Security and military procurement. A proponent of frugality in government long before it ever became popular, his efforts and evaluation programs have resulted in many reforms and savings. The greatly widened and altered concepts of comprehensive audit and performance evaluation which he has developed have earned him the highest regard in both the public and private sectors. A member of Phi Beta Kappa, he has been a fellow at the Brookings Institution and has received numerous honorary degrees, including Doctor of Laws degrees from Duke University, McPherson College, and Nova University; a Doctor of Public Service degree from George Washington University; and a Doctor of Administration degree from the University of South Dakota. President Reagan arranged for a special ceremony to award Dr. Staats the Presidential Medal of Honor for meritorious service and contributions to the federal government. Today, the University takes great pride in recognizing Elmer Staats for his many years of distinguished government service.

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## **Wayne Woodrow "Woody" Hayes** Distinguished Service Award

Wayne Woodrow Hayes served as head football coach at The Ohio State University for 28 years. During that time, he established himself as one of the all-time great college football coaches. Under his leadership, Ohio state's football teams achieved a degree of excellence unmatched in the University's rich athletic history. Aside from his duties as football coach, Woody also enjoyed teaching courses in physical education and athletic administration at both the undergraduate and graduate levels. An avid reader, he is an aficionado of military history. In 1935, he was graduated from Denison University, where he majored in English and history. He holds an M.A. from The Ohio State University in education administration. An inspirational speaker, he has addressed thousands of people, from elementary school age children to professionals in various fields. His speeches are motivational, informative, and unabashedly patriotic. Regardless of the audience, he never fails to mention the merits of Ohio State, the value of college football, and his unswerving belief in his country. In his 33 years as a head football coach, his teams won 238 games, a record which places him fourth among all major college coaches for the most victories. Coach Hayes was named "College Coach of the Year" in 1957 and again in 1975. Thirteen of his OSU teams won Big Ten Championships and five of his teams were named National Champions by one or more of the four recognized selection committees. The university community is proud to honor Coach Hayes for his many years of distinguished and devoted service to The Ohio State University.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Musical Arts

Peter Paul Dorgan, Columbus; L.T.C.L. Diploma (Trinity College of Music); L.R.A.M. Diploma (Royal Academy); M.M.; *Music*; Dr. Richard Tetley Kardos

Christian Coates Norris, Plain City; B.A. (University of Mississippi); M.Ed. (University of Pittsburgh); M.M.; *Music*; Dr. Jerry Louder and Dr. Sylvia Zarembo

## Doctor of Philosophy

Seo Kyoo Ahn, Seoul, Korea; B.S. (Seoul National University); M.S.; *Industrial and Systems Engineering*; Dr. Albert B. Bishop

William Cornell Baird, III, Bexley; A.B. (Indiana University); M.S.; *Dairy Science*; Dr. Wayne R. Gomez

Allen Dwayne Ball, Houston, Tex.; B.A. (Rice University); M.A.; *Psychology*; Dr. Robert C. MacCallum

Simbo Adenuga Banjoko, Ogun, Nigeria; B.Sc. (University of Lagos); M.B.A. (University of Massachusetts); *Business Administration*; Dr. Robert C. Miljns

Sharon Kay Barnett, Memphis, Tenn.; B.A., M.A. (California State University at Chico); *Education*; Dr. C. Ray Williams

Kathleen Krueger Barrows, Columbus; B.A. (St. Olaf College); M.S. (Iowa State University); *Home Economics*; Dr. Jean T. Snook

Fouad Mohamed Sayed Bayomy, Cairo, Egypt; B.S.C.E. (Cairo University); M.S.; *Civil Engineering*; Dr. Kamran Majidzadeh

Gerald James Bean, Jr., Worthington; B.S. (The Deafness College); M.S.W. (The University of Michigan); *Social Work*; Dr. Robert M. Ryan

Rafael Bedolla, San Antonio, Tex.; B.B.A. (San Antonio College, St. Mary's University of San Antonio); M.Adm. (Instituto Tecnológico Y De Estudios Superiores de Monterrey); *Education*; Dr. Donald P. Sanders

Robert Boyd Beebe, South Jordan, Utah; B.S., M.I.E. (Utah State University); *Education*; Dr. James E. Sage

MaryAnn Berry, Highland; B.S., M.A.; *Agricultural Economics and Rural Sociology*; Dr. Ted L. Napier

Cynthia Diane Stark Bessey, Columbus; B.S., M.A.; *Psychology*; Dr. Henry R. Angelino

Narayana Ramachandra Bhat, Karnataka, India; B.Sc. (University of Agricultural Science); M.Sc. (Punjab Agricultural University); *Horiculture*; Dr. Harry K. Tayana

Woodward Scott Bousquet, Pittsfield, Mass.; B.S. (Cornell University); M.S.; *Education*; Dr. Robert E. Roth

Leila Anne Breene, Shelburne, Vt.; B.S. (University of Dayton); M.S.; *Computer and Information Science*; Dr. Jerome Rothstein

Dolores Brookins, Memphis, Tenn.; A.B. (Lane College); M.S. (Tennessee State University); *Education*; Dr. Luveru L. Cunningham

Michael Charles Burns, Columbus; B.S., M.S.; *Microbiology*; Dr. Melvui S. Rheins

Paula Shafer Butterfield, Columbus; B.A., M.A.; *Education*; Dr. Donald J. Tosi

John Douglas Carlson, Columbus; B.S. (Michigan State University); M.S. (University of Wisconsin); *Atmospheric Sciences*; Dr. Michael R. Foster

Jui-Hsiang Chan, Taiwan, Republic of China; B.S. (Tunghai University); M.S. (National Tsing Hua University); *Chemistry*; Dr. Theodore Kuwana

Jane Chang, Columbus; B.S., M.S. (National Taiwan University); *Pharmacy*; Dr. Duane D. Miller

Fuhua Cheng, Taiwan, Republic of China; B.S., M.S. (National Tsing Hua University); M.S., M.S.; *Mathematics*; Dr. Ranko Bojanic

Haiyung Cheng, Taiwan, Republic of China; B.S. (Tunghai University); M.S.; *Pharmacy*; Dr. Louis Malspeis

Paul H. Cohen, Cranston, R. I.; B.S. (University of Rhode Island); M.S.; *Industrial and Systems Engineering*; Dr. Jay T. Black

Paul Gary Conway, Audubon, Pa.; B.S. (Ohio Northern University); M.S.Pharm. (The University of Toledo); *Pharmacy*; Dr. Norman J. Uvretsky

Christine Carol Cook, Columbus; B.A. (Montclair State College); M.S. (Cornell University); *Home Economics*; Dr. Nancy M. Rudd

Judith Anne Cook, Philadelphia, Pa.; B.A. (University of Delaware); M.A.; *Sociology*; Dr. Laurel W. Richardson

Martha Carolyn Cooper, Washington C. H.; B.S., M.S. (Purdue University); *Business Administration*; Dr. Bernard J. LaLonde

Robert Elwin Corder, Fairfield; B.S. (University of Cincinnati); M.S.; *Microbiology*; Dr. James I. Frea

Rose Mariani Cost, Newark; B.S., M.A.; *Education*; Dr. James E. Santos, Jr. and Dr. Anthony A. Olinzock

Kevin David Cummings, Miamisburg; B.S., M.S.; *Physics*; Dr. David B. Tanner

Glenn Raymond Cuomo, Levittown, N. Y.; B.A. (State University of New York at New Paltz); M.A. (The University of Georgia); *German*; Dr. Charles W. Hoffmann

Marwan Bashir Daabag El Marghani, Tripoli, Libya; B.S. (University of Libya); M.S.; *Food Science and Nutrition*; Dr. Michael E. Mangino

Lois Jean Darmstadter, Columbus; B.A., M.A.; *Psychology*; Dr. Samuel Osipow  
Wallace Norman Davidson, III, Columbus; B.A., M.B.A. (Wright State University); *Business Administration*; Dr. Andrew Chen

Vivian Witkind Davis, Columbus; B.A. (Wellesley College); M.A. (Tufts University); *Public Administration*; Dr. Robert W. Backoff

Frederick Albert Day, Granville; A.B. (Syracuse University); M.A.; *Geography*; Dr. Lawrence A. Brown

Daniel Anthony DiBisio, Lakewood; B.A. (Ohio Wesleyan University); M.A.; *Education*; Dr. Donald P. Sanders

William Eugene Dorogy, Jr., Murrysville, Pa.; B.S. (Lehigh University); M.S.; *Chemistry*; Dr. Eugene P. Schrum

Ann Leslie Dunnewold, Dallas, Tex.; B.A. (Hiram College); M.A.; *Psychology*; Dr. Richard K. Russell

Fabian Oby Eluma, Imo-State, Nigeria; B.S. (Syracuse University); M.A.; *Anatomy*; Dr. Martha E. Sucheston

Karen Herleane Evans, Galloway; A.B. (Colorado State University); M.A. (John Carroll University); *Education*; Dr. William D. Dowling

Ernest Boyd Ezell, Jr., South Union, Ky.; B.A., M.A. (Western Kentucky University); *Education*; Dr. Donald G. Luz

Caroline Schubert Fasig, Reynoldsburg; B.G.S., M.S. (Indiana University); *Education*; Dr. William D. Dowling

Audrey A. Glenn, Delaware; B.A. (University of Delaware); M.A.; *Psychology*; Dr. Richard K. Russell

David Marcus Gold, Columbus; B.A. (State University of New York at Binghamton); M.A.; *History*; Dr. Michael Les Benedict

Ruth Ellen Goldberg, Columbus; B.A. (Trenton State College); M.A.; *Psychology*; Dr. Samuel H. Osipow

Joan Yvonne Gordon, Cincinnati; B.A. (Fisk University); M.A.; *Education*; Dr. John C. Belland

Warren Allyn Gordon, Lincroft, N. J.; B.S. (Rutgers University); M.S. (University of Minnesota); *Food Science and Nutrition*; Dr. Emil Mikolajcik

Thomas Walter Gray, Columbus; B.S. (Cornell University); M.S.; *Agricultural Economics and Rural Sociology*; Dr. William L. Flinn

Francis Blackburn Gross, III, Winter Haven, Fla.; B.S.E.E., M.S.E.E. (University of Florida); *Electrical Engineering*; Dr. Aaron A. Ksienski

Inder Jeet Gupta N.I.T. Faridabad; Haryana, India; B.Sc. Punjab University); M.Tech. (Indian Institute of Technology at Kanpur); *Electrical Engineering*; Dr. Aaron A. Ksienski



- Gay Belcher Hadley, Columbus; A.B. (Western College); M.A.; *Education*; Dr. Donald P. Sanders
- Hamid Hakimzadeh, Tehran, Iran; B.S. (Pahlavi University); M.S.; *Animal Science*; Dr. Burk A. Dekovity
- William Holman Hanning, Jr., Dayton; B.S.Ed., M.Ed. (Ohio University); *Education*; Dr. Virgil E. Blanke
- Deborah Ann Happ, Columbus; B.A. (Michigan State University); M.A.; *Psychology*; Dr. Theodore J. Kaul
- Anne Elizabeth Harris, Centerville; A.B. (Radcliffe College); M.A.; *Psychology*; Dr. J. Dennis Nolan
- John Milton Harvey, Jr., Princeton, W. Va.; B.S.Ed. (Concord College); A.M. (West Virginia University); *Political Science*; Dr. John R. Champlin
- Robert John Harvey, Kansas City, Mo.; B.A., M.A. (University of Missouri); *Psychology*; Dr. Milton D. Hukel
- Arlyn Judson Heinrichs, Swan Lake, N. Y.; B.S. (Cornell University); M.S.; *Dairy Science*; Dr. Harry R. Conrad
- Susan Ingrid Hepler, Mt. Pleasant, Mich.; B.A. (Michigan State University); M.A.; *Education*; Dr. Charlotte S. Huck
- Philip Lewis Hersch, New York, N. Y.; B.A. (Queens College); M.A.; *Economics*; Dr. Donald O. Parsons
- Stephen Alden Hilliker, Albany, Vt.; B.S. (University of Vermont); M.S.; *Agricultural Education*; Dr. Lawrence H. Newcomb
- Joanne C. Hokes, Lakewood; B.S.; M.S. (University of Georgia); *Food Science and Nutrition*; Dr. Michael E. Mangino
- Cynthia Lynn Jackson, Atlanta, Ga.; B.A. (Spelman College); M.A. (Atlanta University); *Education*; Dr. James K. Duncan
- Susan Gregory Jakob, Columbus; B.Ed. (Northeastern Illinois State University); M.S.; *Home Economics*; Dr. Jean D. Dickerscheid
- Dorothy Goldsmith Jansma, Worthington; B.S. (University of Rhode Island); M.A. (University of Connecticut); *Education*; Dr. W. Frederick Staub
- John Richard Josephson, Columbus; B.S., M.S.; *Philosophy*; Dr. Ronald E. Laymon
- Chin-Wan Jung, Columbus; B.A. (Kong-Ju National Teacher's College); M.Ed. (Seoul National University); *Education*; Dr. Donald G. Lux
- Francis Regis Kearney, Scranton; B.S. (Fordham University); M.S. (John Carroll University); *Chemistry*; Dr. Leo A. Paquette
- Maureen Elizabeth Kelly, Newport, R. I.; B.S., M.S. (University of Massachusetts); *Comprehensive Vocational Education*; Dr. Joan E. Gritzmacher
- Renée Anita Kingcaid, Columbus; B.A. (Ohio Dominican College); M.A.; *Romance Languages and Literatures*; Dr. Pierre Astier
- Marc Kirschenbaum, Cleveland; B.A. (University of Cincinnati); M.S.; *Mathematics*; Dr. Young Chen Lu
- Mark Douglas Kittleson, Sherburn, Minn.; D.V.M. (University of Minnesota); *Veterinary Physiology and Pharmacology*; Dr. Robert L. Haulin
- Robert Marvin Knotts, Columbus; B.A., M.A.; *Theatre*; Dr. George P. Crepeau
- Marsha Studebaker Kohler, Columbus; B.S., M.A.; *Education*; Dr. Robert W. Wagner
- Stephen Kresovich, Columbus; B.A. (Washington and Jefferson College); M.S. (Texas Agricultural and Mining University); *Agronomy*; Dr. Paul R. Hendertong
- Louis John LaNunziata, Jr., Exeter, Pa.; B.S. (East Stroudsburg State College); M.Ed. (Bloomsburg State College); *Education*; Dr. John O. Cooper
- Jy-Jine Lin, Taiwan, Republic of China; B.Sc. (National Central University); M.S. (University of Tennessee); *Computer and Information Science*; Dr. Ming Tsau Lin
- Carole Pamela London, Flushing, N. Y.; B.S. (Simmons College); M.S.; *Home Economics*; Dr. Jean T. Snaak
- Marcia Gray Lover, Delaware; B.S.Ed. (Kent State University); M.A.; *Education*; Dr. Anthony G. Porveca
- Robert Harlan Lubbers, Paullina, Ia.; B.S., M.S. (Iowa State University); *Nuclear Engineering*; Dr. Shoichiro Nakamura
- Robert Donald Mack, Jr., Washington C. H.; B.Met., M.S.; *Metallurgical Engineering*; Dr. Digby D. Macdonald
- Richard Eugene Mague, Columbus; B.S. (Clarion State Teachers College); M.A.; *Education*; Dr. Joseph J. Quaranta, Jr.
- James Marais, Transvaal, Republic of South Africa; B.V.Sc., Diploma, B.Sc. (University of Pretoria); M.S.; *Veterinary Anatomy*; Dr. Bettina G. Anderson
- David Paul Marcinkowski, Boonville, N. Y.; B.S. (Cornell University); M.S.; *Dairy Science*; Dr. Thomas M. Ludwick
- Dennis Keith Martin, Columbus; B.M.E., M.A.; *Music*; Dr. A. Peter Costanza
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- Dale Bernard Norris, Columbus; B.S. (Kent State University); *Public Administration*
- Janet Louise Oliver, Cincinnati; A.B. (Indiana University); *Political Science*
- Vicky Lorraine Ottman, Groveport; B.A. (Marietta College); *Education*
- Billette DuVail Owens, Atlanta, Ga.; (Clark College); *Physical Education*
- Larry Steven Paarberg, West Lafayette, Ind.; B.A. History (Purdue University); *Interdisciplinary: Architectural Studies*
- John Richard Pannabecker, Columbus; B.A. (Bluffton College); Ph.D. (Case Western Reserve University); *Education*
- James David Pappenhagen, Gambier; B.A. (Mount Union College); *Education*
- Dong-Sook Park, Seoul, Korea; B.A. (Ewha Woman's University); *Communication*
- Fulmee Park, Seoul, Korea; B.M. (Seoul National University); *Music*
- Andrew Lewis Patterson, Circleville; B.A. (Ashland College); *Education*
- Clio Cathryn Pavlantis, Gettysburg, Pa.; B.A. (Bard College); *Dance*
- Karen Sue Payne, Rochester, N. Y.; B.A. (Boston College); *Psychology*

- Dian D. Perrin, Cleveland; B.S.; *Physical Education*
- Arliss Stephen Perry, West Milton; B.A. (Wright State University); *Geography*
- Janice-Marie McDonald Phillips, Jamestown, N. Y.; B.A. (Wittenberg University); *Romance Languages and Literatures*
- Ronald Brian Phillips, Cedarville; B.A. (Cedarville College); *Journalism*
- Carolyn Elaine Philpott, Worthington; B.S.Ed. (Miami University); *Anthropology*
- Lawrence Edward Pieratt, Westerville; B.S.; *Education*
- David Pilgrim, Mobile, Ala.; B.A. (Jarvis Christian College); *Sociology*
- Brian Douglas Plamondon, McLean, Va.; B.S. (Virginia Commonwealth University); *Psychology*
- William David Porterfield, Timberlake, N. C.; B.A. (University of North Carolina at Chapel Hill); *Education*
- Cheryl Lynne Powers, Columbus; B.A.; *Political Science*
- Brian Thomas Quinn, Buffalo, N. Y.; (University of Florida); *Slavic and East European Languages and Literatures*
- Cynthia Ann Raines, Columbus; B.A.; *Education*
- Margaret Jean Rausch, Columbus; B.A.; *History*
- Charles Richard Ray, Hilliard; B.S.Ed.; *Education*
- Byron Marvin Richard, Toledo; B.F.A.; *Dance*
- Linda Marie Rieser, Dayton; B.A.; *Communication*
- Ann M. Rinehart, Lexington; B.S.Bus.Adm.; M.B.A. (George Mason University); *Education*
- Anne Franklin Roberts, Belpre; B.S.H.E.; *Education*
- Charles Darrel Robertson, Las Vegas, Nev.; B.A. (University of Utah); *Education*
- Janice Lee Roerig, Montpelier; B.S.Ed.; *Education*
- Kathleen Jo Romano, Mansfield; B.S. (Miami University); *Education*
- Don Harris Rosenblum, Silver Spring, Md.; B.A. (University of Maryland—College Park); *Education*
- Nina F. Roslovic, Columbus; B.S.Bus.Adm.; *Business Administration*
- Eric Walter Rothenbuhler, Worthington; B.A.; *Communication*
- Ann Maria Rotondi, Ardmore, Pa.; B.S.; *Education*
- Jing-Tsyr Delphine Ruey, Taipei, R.O.C.; B.A. (National Taiwan University); *Economics*
- Beverly Kihlken Ruff, Columbus; B.S.; *Journalism*
- Robert Gordon Rusiska, Mansfield; B.S.Ed.; *Education*
- Sandra Anne Carkin St. Martin, Groton, Mass.; B.A. (Iowa State University); *Anthropology*
- Harlan Michael Sanders, Dayton; B.F.A.; *Art Education*
- Yasunobu Sawada, Nishinomiya, Japan; B.E. (University of Tokyo); *Education*
- Donna Jean Schellhammer, Columbus; B.A. (Clarion State College); *Education*
- Gretchen Leslie Scheu, Bay Village; (Bucknell University); *Education*
- Dawn Ellen Schrader, Cincinnati; B.A. (Miami University); *Education*
- Dawn Elaine Schwind, Cincinnati; B.S. (Denison University); *Communication*
- Christine Ann Scodari, Rockville, Md.; B.A. (University of Maryland); *Communication*
- David John Scott, Plain City; B.S.Agr.; *Education*
- Thomas Edward Seggie, Westlake; B.A. (Centre College); *English*
- Mona Ann Serotta, Chattanooga, Tenn.; *Communication*
- William Irving Shade, Columbus; B.Art Ed.; *Black Studies*
- Mark Clifford Shelberg, Buffalo, N. Y.; B.A. (State University of New York at Buffalo); *Geography*
- Kay Ellen Shiflet, Columbus; B.S.Ed.; *Education*
- Mary T. Sidman, Worthington; B.A. (Notre Dame College for Women); *Education*
- Debra Lin Singer, Columbus; B.S.; *Industrial Design*
- David Barry Small, Columbus; B.A. (Ohio University); *Education*
- Douglas Edward Smith, Zanesville; B.S. (Wilmington College); *Physical Education*
- Lynn Anthony Smith, Edon; B.A.; *Physical Education*
- Mary Margaret Snow, Parma; B.S. (Steubenville University); *Education*
- Gary H. Sousa, Weston, Conn.; B.Music (The University of Rhode Island); *Music*
- Donna Lynn Stark; B.A.; *Education*
- Deborah Hanshaw Steiner, Columbus; B.S. (Lebanon Valley College); *Journalism*
- David Lawrence Stevenson, Columbus; B.A.; *Public Administration*
- Ronnie Stewart, Mobile, Ala.; B.S. (Tuskegee Institute); *Sociology*
- Robert William Stoll, Columbus; B.A. (Marietta College); *Physical Education*
- Garry Brooks Stone, Cambridge; B.S. (Bowling Green State University); *Economics*
- Mary Frances Stone, Delaware; B.S. (Indiana University of Pennsylvania); *Communication*
- Donald Larry Stredney, Ashtabula; B.S., B.A.; *Art Education*
- Kathy Jean Sutehall, Angola, N. Y.; B.M. (State University of New York at Fredonia); *Education*
- James David Swartz, Columbus; B.A. (Kent State University); *Education*
- Roberta Irene Sweet, Madison, Wis.; B.S. (University of Wisconsin—Madison); *Education*
- Gerard Joseph Tankovich, Columbus; B.S.Ed.; *Education*
- Mark Timothy Tappen, Toledo; B.A. (University of Toledo); *Education*
- Robin Harris Taylor, Columbus; B.A.; *Dance*
- Diane Jane Tedick, Bath; B.A. (Kent State University); *Education*
- Timothy Lee Thickstun, Columbus; *Journalism*
- Richard J. Thoden, Dublin; B.A. (University of Virginia); *Public Administration*
- Jeffrey Crawford Thomas, Penfield, N. Y.; B.A.; *English*
- Randi Palmer Tolley, Columbus; B.S. (Kent State University); *Communication*
- Karen Lee Tura, Cleveland; B.S.Ed.; *Education*
- Marlene Elizabeth Turner, Wilmington, Del.; B.A., B.S. (University of Delaware); *Dance*
- Kathleen Susan Vaughan, Cincinnati; B.S.; *Education*
- Linda Marie Von Hoene, Ho-Ho-Kus, N. J.; B.A. (State University of New York at Binghamton); *German*
- Kuo-Liang Wang, Tainan, R.O.C.; B.L. (National Chengchi University); *Economics*
- James Walter Warhola, Amherst; B.A. (Ohio Northern University); *Political Science*
- Katsuhiko Watanabe, Tokyo, Japan; B.S.; *Business Administration*
- Katsuhiko Watanabe, Tokyo, Japan; B.S.; *Economics*

- Royal Charles Webster, St. Louis, Mo.; B.S. (Michigan State University); *Geography*
- Gabriele Walburga Weinberger, Passau, West Germany; Zwischenprüfung, Staatsexamen (Universität Regensburg); *German*
- Mildred Manuel West, Ashville; B.S.; *Education*
- Philip Jean-Louis Westfall, Reynoldsburg; B.S. (Ohio University); *Education*
- Christine Ann Whitlock, Portland, Mich.; B.A. (Michigan State University); *Education*
- Sharon Erna Williams, Columbus; B.A.; *English*
- Harold Edwin Wilson, Jr., Columbus; B.A.; *Physical Education*
- Valerie L. Wilson, Circleville; B.A. (Miami University); *Education*
- Eric Alan Wise, Columbus; B.S.; *Public Administration*
- Diana McVey Wood, Columbus; B.S.Ed.; *Education*
- William Joseph Woods, Columbus; B.A. (Niagara University); *Psychology*
- Lucia Anne Wooley, Columbus; B.A. (University of Akron); *Dance*
- Maribelisa Yordan, Ponce, Puerto Rico; B.S. (Ohio Dominican College); *Education*
- James Larry York, Rio Grande; B.S.Bus.Ad.; *Education*
- Linda Lang Yost, Columbus; B.S. (Ohio University); *Education*
- Master of Business Administration**
- Stratos J. Adalis; B.S. (The American College of Greece); *Business Administration*
- Layiwola Anthony Adigun, Benin, Nigeria; *Business Administration*
- Richard Paul Bersnak, Worthington; B.S. (Ohio University); *Business Administration*
- Randall Lee Besecker, Arcanum; B.S.Agr.; *Business Administration*
- Daniel Bevan, III, Worthington; B.S.; *Business Administration*
- Ravi Bhushan, Agra, India; B.Tech. (Indian Institute of Technology); M.S.; *Business Administration*
- Timothy G. Bour, Cleveland; B.S. (University of Cincinnati); *Business Administration*
- Michael Joseph Caron, Reading, Pa.; B.A. (University of Notre Dame); *Business Administration*
- Sandra Kay Cheshire, North Canton; B.A. (Capital University); *Business Administration*
- David L. Christensen, Freeport, Ill.; B.S. (Illinois State University); *Business Administration*
- William Daniel Cooney, Cincinnati; B.A. (University of Virginia); *Business Administration*
- Joseph Charles Cramer, Columbus; B.S. (Purdue University); *Business Administration*
- Thomas M. Crews, Bay Village; B.A. (Capital University); J.D.; *Business Administration*
- Mark Charles Cummins, Clinton; B.S.Bus.Ad.; *Business Administration*
- Mark D. DeJeu, Sylvania; B.S. (Miami University); *Business Administration*
- Pankaj Arun Doshi, Bombay, India; B.Tech. (Indian Institute of Technology); M.S.; *Business Administration*
- Ronald Gene Dunn, Harrisburg, Ill.; B.A. (Southern Illinois University); *Business Administration*
- Milton G. Ellenwood; B.S. (University of Illinois); *Business Administration*
- Todd R. Emoff, Dayton; B.A. (Indiana University); *Business Administration*
- Nicholas R. Enrick, Farmersville; B.M.E. (General Motors Institute); *Business Administration*
- Robert George Eyers, Westerville; B.S. (University of Wisconsin—Oshkosh); *Business Administration*
- Janet H. Fesq, Mount Vernon; B.A. (Pacific Lutheran University); M.A. (University of Oregon); *Business Administration*
- Richard John Fetter, Columbus; B.A., M.S.W.; *Business Administration*
- John Alter Forker, II, Columbus; B.S.I.S.E.; *Business Administration*
- John Joseph Gainer, Columbus; B.S.Ed.; *Business Administration*
- Matthew John Golis, Columbus; B.S.E.E., Ph.D.; *Business Administration*
- Satiadi Halim, Jakarta, Indonesia; B.S.I.E. (Bandung Institute of Technology); *Business Administration*
- Carol A. Harper, Marshall, Tex.; B.A. (Fisk University); *Business Administration*
- Paul David Hill, Columbus; B.A. (Cedarville College); *Business Administration*
- Peggy Lou Jensen; B.S. (University of Nebraska—Lincoln); *Business Administration*
- Timothy Edward Jones, Columbus; B.A. (University of Virginia); J.D.; *Business Administration*
- Edward Verl Kollogg; B.A. (Olivet College); *Business Administration*
- Behzad Khosravi-Sichani, Mashad, Iran; B.S.M.E., M.S.; *Business Administration*
- David Allen Kirkley; B.S. (Miami University); *Business Administration*
- Toshio Kitajima, Kashiwa, Japan; B.B.A. (Kobe University); *Business Administration*
- Richard M. Klein, Highland Heights; B.S.; *Business Administration*
- Aruna N. Lalwancy, Worthington; B.S.; *Business Administration*
- Teddy L. Langley, Plain City; B.S.E.E. (University of Kentucky); *Business Administration*
- Marvin Ivo Langer, Dayton; B.B.A. (Wright State University); *Business Administration*
- Judith J. Lavine, Baltimore, Md.; B.S.Bus.Ad.; *Business Administration*
- Charles Earl Leyrer, Hamilton; *Business Administration*
- Richard Keith Liggett, Dennison; B.M.E. (Cleveland State University); *Business Administration*
- Nancy Ellen Long, Columbus; B.A. (Capital University); *Business Administration*
- William Lehr Maholm, Columbus; B.S.Pharm.; *Business Administration*
- Joan M. Mantor, Delaware; B.A. (Ohio University); *Business Administration*
- Jerry Wayne Mapes; (Miami University); *Business Administration*
- David Craig Martin; B.S.I.S.E.; *Business Administration*
- Edward Philip Martin, Columbus; B.S.Bus.Ad.; *Business Administration*
- John William Van Vroten McIntosh, Dallas, Tex.; B.S.Bus.Ad.; *Business Administration*
- Monica Elizabeth McKay, Columbus; B.A. (Niagara University); *Business Administration*
- Donald Joseph Muccino, Akron; B.S.Bus.Ad.; *Business Administration*
- Peteris Ludis Osis, Columbus; B.A. (Capital University); *Business Administration*
- Aurel Joseph Ouellette, Mansfield; B.S.E.E. (Ohio University); *Business Administration*
- Paulanne Kelly Queen, Brentwood, N. Y.; B.S.Ed.; *Business Administration*

Jeffrey J. Redfield, Irvington, N. Y.; B.A. (Wittenberg University); *Business Administration*

Jacqueline J. Rudolph, Columbus; B.S.Bus.Ad.; *Business Administration*

Susan L. Rumberger, Columbus; B.S.C.I.S.; *Business Administration*

Clair Burnette Saam, Hilliard; B.S.Ed. (Ohio University); M.S. (Xavier University); *Business Administration*

Martha Mary Fink Sass, Columbus; B.S.Ed. (Bowling Green State University); *Business Administration*

Richard C. Schaffner; B.S.M.E. (University of Dayton); *Business Administration*

Harry Edward Schmidt, III, Columbus; B.S. (Miami University); *Business Administration*

James Arthur Schmitz, Olmsted Township; B.A.; *Business Administration*

James L. Smith, Jr., Cleveland; B.A. (Cleveland State University); *Business Administration*

James Patrick Tracy, Newark; B.S.M.E.; *Business Administration*

Steven L. Trulaske, St. Louis, Mo.; B.A. (DePauw University); M.A.; *Business Administration*

Joseph Paul Underwood, Columbus; B.S.Bus.Ad.; *Business Administration*

Thomas M. Walker, Cincinnati; B.B.A. (Kent State University); *Business Administration*

Michael Dwight Wallace, Centerville; B.Ch.E. (Georgia Institute of Technology); M.E. (University of Florida); *Business Administration*

Robert Terence Watson, Cincinnati; B.S.Bus.Ad.; *Business Administration*

Robert Louis Wenzel, Middletown; B.A. (Anderson College); *Business Administration*

Hubert Wirtz, Westerville; B.A. (Purdue University); M.A., M.C.R.P.; *Business Administration*

James D. Wise, Gahanna; B.S.Bus.Ad.; *Business Administration*

Patricia Anne Wright, Columbus; B.A. (Muskingum College); *Business Administration*

Robert W. Zelch, Columbus; B.S.Ed.; *Business Administration*

### Master of City and Regional Planning

Froda Robin Greenberg, Yellow Springs; B.A. (Antioch College); *City and Regional Planning*

David Keith Humphreys, Toledo; B.A. (Anderson College); *City and Regional Planning*

Sandra Jane Kehoe, Kingston, Canada; B.A. (Queen's University); *City and Regional Planning*

Houn-Sang Alven Lam, Taipei, R.O.C.; B.S. (National Cheng-Kung University); *City and Regional Planning*

Rita C. McMahon, Maple Heights; B.A. (Cleveland State University); *City and Regional Planning*

Esbii Ailen Ogholoh, Benin City, Nigeria; B.B.A. (Florida International University); *City and Regional Planning*

Vincent Anthony Papsidero, Jr., Old Bethpage, N. Y.; B.A. (University of Georgia); *City and Regional Planning*

Lynn Marie Pike; B.S. (State University of New York at Geneseo); *City and Regional Planning*

Graham Simpson Powers, Ann Arbor, Mich.; B.A. (University of Wisconsin); *City and Regional Planning*

Rollin Eugene Seward, Bellefontaine; B.A., B.A. (Miami University); *City and Regional Planning*

Tsu Te Tan, Taipei, R.O.C.; B.S. (National Taiwan University); *City and Regional Planning*

Sharon Jo Welter, Aurora, Ill.; B.S. (Bradley University); *City and Regional Planning*

Carol Nassr Woldorf; B.A. (Southeastern Massachusetts University); *City and Regional Planning*

### Master of Fine Arts

Nicholas Dean Blosser, Columbiana; B.F.A.; *Art*

Nancy Kruse Bunge, Granville; B.A. (The University of Iowa); *Art*

Helen Margot Fashbaugh, Columbus; B.S. (St. Cloud State College); *Theatre*

Richard E. Kooyman, Grand Rapids, Mich.; B.F.A. (Grand Valley State College); *Art*

Martin D. Merritt, Atchison, Kans.; B.F.A. (Avila College); *Theatre*

Mary Havens Nice, Marengo; B.F.A.; *Art*

Catherine Ann Nix, Owenton, Ky.; B.S. (Murray State University); *Theatre*

Jack A. Shiver, Hampton, Va.; B.F.A. (Jacksonville University); *Art*

Lynn Neonta Smith, Scottsdale, Ariz.; B.F.A. (Arizona State University); *Art*

Deborah Lee Treadway, Dayton; B.F.A. (Wright State University); *Art*

Nancy Rick Vangas, Galion; B.F.A.; *Art*

Diane Elaine Wondisford, Boardman; B.A. (Mount Union College); *Theatre*

### Master of Health Administration

Maryann Joan Bouba, Methuen, Mass.; B.S. (Northeastern University); *Allied Medical Professions*

William Edward Caldwell, Park Forest, Ill.; B.B.A. (University of Notre Dame); *Allied Medical Professions*

Laura Jean Cavanaugh, Columbus; B.S.Nurs.; *Allied Medical Professions*

Kathryn Golden Correia, Kent; B.A. (Denison University); *Allied Medical Professions*

Ralph J. Corvino, New York, N. Y.; B.A. (New York University); *Allied Medical Professions*

Barbara Ellen Duby, Youngstown; B.S. (Youngstown State University); *Allied Medical Professions*

William Michael Evans, Columbus; B.S. (Biola University); *Allied Medical Professions*

Jody L. Fitch, Auburn, N. Y.; B.A. (State University of New York at Binghamton); *Allied Medical Professions*

Anne Marie Kappen, Cincinnati; B.A. (College of Mount St. Joseph); M.A. (Central Michigan University); *Allied Medical Professions*

Daniel Grabe Kirkpatrick, Meadville, Pa.; B.A. (The College of Wooster); *Allied Medical Professions*

Stanley R. Korducki, Milwaukee, Wis.; B.S. (Marquette University); *Allied Medical Professions*

George Stephen Massar, Columbus; B.A. (DePauw University); *Allied Medical Professions*

Michael Trevor McGovern, Maple Heights; B.A. (Ohio Wesleyan University); *Allied Medical Professions*

Joseph Michael Mitrick, Bedford; B.A. (Kent State University); *Allied Medical Professions*

Renée Ann Mueller, Fenton, Mich.; B.A. (University of Michigan); *Allied Medical Professions*

Nancy Grove Nichols, Flint, Mich.; B.S. (University of Michigan); *Allied Medical Professions*

Roger Neil Obenauf, Columbus; B.S.; *Allied Medical Professions*

Gregory George Repetti, Akron; B.S. (Yale University); *Allied Medical Professions*

Howard E. Rohleder, Garden City, Mich.; B.A. (Albion College); *Allied Medical Professions*



Glenn Paul Roland, Villa Park, Ill.; B.A. (Miami University); *Allied Medical Professions*

Mark Henry Shuter, Portsmouth; B.S.Nurs.; *Allied Medical Professions*

Beth Ann Spatz, Saline, Mich.; A.B. (University of Michigan); *Allied Medical Professions*

### Master of Labor and Human Resources

Suzanne Michele Collins, Chicago, Ill.; B.A. (University of Michigan); *Labor and Human Resources*

Thomas M. Dunlap, Clinton; A.B. (Miami University); *Labor and Human Resources*

Dale Michael Feinauer, Cincinnati; *Labor and Human Resources*

Mark Nelson Heacox, Columbus; B.S.Bus.Ad.; *Labor and Human Resources*

Joyce Ann Jacobson, Columbus; B.A. (Youngstown State University); *Labor and Human Resources*

Harlow J. Keith, Toledo; A.B. (Kenyon College); M.A.; *Labor and Human Resources*

Martin Jay Pasternak, Southfield, Mich.; B.A. (Michigan State University); *Labor and Human Resources*

Lisa Carin Polack, Cleveland; B.A. (York University); *Labor and Human Resources*

Gary Wayne Preston, Gahanna; (Wayne State University); *Labor and Human Resources*

Susan Lynn Richman, Dayton; B.A. (Miami University); *Labor and Human Resources*

Barbara E. Schwebel, Girard; B.A.; *Labor and Human Resources*

Maripat Squillace, Youngstown; B.A.; *Labor and Human Resources*

Paul John Sweeney, Columbus; B.S.; *Labor and Human Resources*

Frank L. Valletta, III, Vestal, N. Y.; B.S. (Ithaca College); *Labor and Human Resources*

Anne L. Vogel, Dayton; B.S., M.S. (Wright State University); *Labor and Human Resources*

### Master of Landscape Architecture

Perry Michael Morgan, Sugarloaf, Pa.; (Pennsylvania State University); *Landscape Architecture*

### Master of Music

James Milton Akins, Savannah, Ga.; B.Mus.; *Music*

Lori Mae Akins, Lima; B.Mus.Ed.; *Music*

Jacqueline Sue Barlow, Appleton, Wis.; B.A. (Lawrence University); *Music*

Lori Jo Borden, DuBois, Pa.; B. Music (Pennsylvania State University); *Music*

John Dexter Leggett, Jesup, Ga.; B.Mus.Ed. (Florida State University); *Music*

John Eugene Mathias, Lancaster; B.A. (Asbury College); *Music*

Linda Sue Nolan, Dublin; B.Mus.; *Music*

Richard Ernest Schenk, Fairview Park; B.M. (Oberlin College); *Music*

### Master of Public Administration

Jay David Aronowitz, New Orleans, La.; B.S.W. (Xavier University of Louisiana); *Public Administration*

Mark R. Carney, Girard; A.B. (Ohio University); *Public Administration*

Elaine Harue Fujimura, Wickliffe; (Kent State University); *Public Administration*

Brian D. Galloway, Columbus; B.A.; *Public Administration*

Penelope Anne Goggin, Oxford; B.S. (Indiana University); *Public Administration*

Mary V. Hornig, Pittsford, N. Y.; B.S. (Cornell University); *Public Administration*

Kathleen Siddall Kleven, Columbus; B.A. (Miami University); *Public Administration*

Adoré Flynn Kurtz, Westerville; B.A. (College of New Rochelle); *Public Administration*

Raymond Grady Lyons, Columbus; B.A. (University of Akron); *Public Administration*

John Bowman Lyter, Columbus; B.S.Ed. (Miami University); *Public Administration*

Dale Robert McArdle; B.A.; *Public Administration*

Russell Ryan Nelson, Harrisonburg, Va.; B.S. (James Madison University); *Public Administration*

Susan Elizabeth Palagyi, Elyria; B.A. (Capital University); *Public Administration*

Valorie Linette Perry, Hertford, N. C.; B.A. (Fayetteville State University); *Public Administration*

Ellen Ruth Rehmar, Columbus; B.A.; *Public Administration*

Paul E. Schreur, Westerville; B.A. (Calvin College); M.S.W. (University of Michigan); *Public Administration*

Daria Shams, Columbus; B.S. (Franklin University); *Public Administration*

John Joseph Shook, Pittsburgh, Pa.; B.S. (The Pennsylvania State University); *Public Administration*

Ching-Ching Tang; Bachelor of Law (National Taiwan University); *Public Administration*

Susan L. Tavakolian, Granville; B.A. (University of California at Los Angeles); Ph.D. (University of Massachusetts); *Public Administration*

Wayne Matthew Turnage, Richmond, Va.; (North Carolina Agricultural and Technical State University); *Public Administration*

Judith Ann Zimomra, Newton Falls; B.A. (Kent State University); *Public Administration*

### Master of Science

Michael John Adams, Omaha, Neb.; B.S. (University of Nebraska—Lincoln); *Mathematics*

Hassan Farouk Ahmed, Giza, Egypt; B.Sc. (Cairo University); Diploma in Planning (The Institute of National Planning); *Agricultural Economics and Rural Sociology*

Ali Al-Ghouthani, Enchel, Syria; B.S. (Alppo University); *Civil Engineering*

Baha M. D. Alkuzweny, Hilla, Iraq; B.S. (University of Baghdad); *Statistics*

Chukwuemeka Arah, Onitsha, Nigeria; B.S. (University of Nigeria, Nsukka); *Civil Engineering*

Elsa C. Araque, Caracas, Venezuela; B.S. (Santa Maria University); *Pharmacy*

Somkid Arayaskul, Bangkok, Thailand; B.S. (University of California, Berkeley); *Civil Engineering*

John Auman Armitstead, Columbus; B.S. (Ohio Northern University); *Pharmacy*

John Howard Arnold, Urbana; B.A. (Case Western Reserve University); *Physiological Chemistry*

Mehdi Assadian, Tehran, Iran; B.S.E.E. (Iowa State University); *Electrical Engineering*

Jahangir Babai, Columbus; (The National University of Iran); *Natural Resources*

Roger Fredrick Backhus, Cincinnati; B.S. (University of Cincinnati); *Electrical Engineering*

- Michael Arthur Banks, Springboro; B.A. (Berea College); *Chemistry*
- Melody Sue Bartoe, Columbus; B.S.Ed. (Miami University); *Home Economics*
- S. Baskar, Trichy, India; B.S. (Annamalai University); D.M.I.T. (Madras Institute of Technology); M.S. (Madras University); *Engineering Mechanics*
- John Savage Bath, Columbus; B.S. (Georgia Institute of Technology); *Statistics*
- Thomas Wilson Beattie, Bowling Green; B.A. (Wittenberg University); D.D.S.; *Dentistry*
- Ghulam Mustafa Behlim, Bombay, India; B.Arch. (Indian Institute of Technology); M.C.R.P.; *Civil Engineering*
- Abdulrahim A. Beram, Tripoli, Libya; B.S. (University of Wisconsin—Milwaukee); *Computer and Information Science*
- Barry Antonio Bermudez, Gasport, N. Y.; B.S. (Purdue University); *Natural Resources*
- Richard Dewey Bethel, Cadiz; B.A. (Wittenberg University); *Geology and Mineralogy*
- Brent Lee Bolyard, New Philadelphia; B.S. (Kent State University); *Biomedical Engineering*
- David Menard Boman, South Milwaukee, Wis.; B.S. (University of Wisconsin—Madison); *Pharmacy*
- Philip Wayne Bond, Freeport; B.S.; *Agricultural Economics and Rural Sociology*
- Brett Craver Borgeson, Bay Village; B.A. (Ohio Wesleyan University); *Computer and Information Science*
- Jeffrey Albert Bourret, Norwich, Conn.; B.S. (University of Connecticut); *Pharmacy*
- James Norman Boyer, Tyrone, Pa.; B.S. (Pennsylvania State University); *Natural Resources*
- Eric Bright, Columbus; B.S.Cer.E.; *Ceramic Engineering*
- Thomas Jeffrey Brockman, North Olmsted; B.S. (University of Cincinnati); *Chemistry*
- John Brian Burghduff, Houston, Tex.; B.S. (Texas Agricultural and Mechanical University); *Mathematics*
- Bruce Douglas Burns, Bellville; B.A. (Miami University); D.D.S.; *Dentistry*
- Jerry Chan, Montreal, Canada; B.E. (McGill University); *Electrical Engineering*
- Chien-Chun Chang, Taipei, R.O.C.; B.S. (National Chiao Tung University); *Electrical Engineering*
- Yung-Syi Amelia Chang, Taichung, R.O.C.; B.S. (Fu-Jen University); *Horticulture*
- Yung-Cheng Timothy Chen, Columbus; B.S. (National Chiao Tung University); *Computer and Information Science*
- Philip Hopok Cheng, Hong Kong; B.S.C.E., M.S.; *Mechanical Engineering*
- Yet Chu Cheng, Hong Kong; B.S. (Oklahoma State University); *Electrical Engineering*
- George Michael Chioran, Solon; *Physiological Optics*
- Bradley Dean Clymer, Findlay; B.S.E.E.; *Electrical Engineering*
- Charles Edwin Coburn, Rochester, N. Y.; B.S. (Miami University); *Chemistry*
- Russell Andrew Cohen, Weston, Mass.; A.B. (Vassar College); *Natural Resources*
- Ann Ivers Cook, Delaware; B.S.; *Nursing*
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- Barbara Jeanne Davis, Zanesville; B.A. (University of Wisconsin—Milwaukee); *Zoology*
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- Chengze Zhang, Wuhan, P.R.C.; (Wuhan College of Geodesy, Photogrammetry and Cartography); *Geodetic Science*
- Master of Social Work**
- Ellen E. Archer, Buffalo, N. Y.; B.A. (State University of New York at Oswego); *Social Work*
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Susan Leah Rorabaugh, Canfield  
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Debra Alice Schneider, Columbus  
Nadine Shapers, Cleveland  
Amanda Lau Staubach, Succasunna, N. J.  
Stephanie Ann Strait, Columbus  
Peter Mark Van Buren, Avon Lake  
Amy Anderson Waller, Bexley  
Patricia Marie Woldar, Flushing, N. Y.  
Christine Carol Zarzar, Lima  
Gail Frances Zion, Newark

### Bachelor of Fine Arts

Vicky Lynn Albright, Lima  
Bryant M. Baker, Columbus  
Amy S. Baldrige, Columbus  
Jeffrey Bruce Barrow, Columbus  
Roberta Nell Boston, Columbus  
Janet Braund, Chardon  
Nancy Jane Breuleux, Columbus  
Eugene Olin Castle, Columbus  
Bonnie Sue Coen, Columbus  
Dennis Peter Durross, Toledo  
Jay Stephen Elliott, Worthington  
Vivian Lynn Gill, Ashtabula  
Beth Benik Goodwin, San Francisco, Calif.  
David Allen Harter, Canton  
Lauren Fran Helfand, Highland Park, Ill.  
Mary E. Hendrick, Columbus  
Katrina Denise Jeffries, Columbus  
Elizabeth Brandon John, Powell  
Pepper Donna Johnson, Columbus  
George William Kiel, Alliance  
Lisa Ann Kinsey, Mansfield  
Deborah Joy Kraus, Cincinnati  
Jan Lee Luchini, Bethel Park, Pa.  
Georgeanne Olive, Savannah, Ga.  
Lori Kay Remaly, Toledo  
Stephen Roka, II, Columbus  
Jane Ann Ronchi, Columbus  
Alice Marie Slade, Columbus  
Kenneth David Sonkin, Shaker Heights  
Lisa Marie Stechschulte, Columbus  
Debra Ann Stever, Columbus  
Karen Elizabeth Stokes, Houston, Tex.  
Karen Lee Tradler, Canfield  
Dorothy Marie Uhl, Akron  
Elizabeth Ann Weir, Chicago, Ill.

### Bachelor of Music

Gregory Thomas Benson, Columbus  
Leslie Jeanne Braidech, South Euclid  
Joan Elizabeth Crumpler, Sidney  
Robert Eric Firestone, Worthington  
Lisa Joanne Hansgen, Columbus  
William Stephen Hayes, Cincinnati  
Valerie Denise Jackson, Gahanna  
Deborah Ann Lindner, Bexley  
Susan Lynn Sundvall, Strongsville  
Kerry Dean Tedrow, Groveport  
Constance D. Tsolainos, Lyndhurst

### Bachelor of Art Education<sup>1</sup>

Elizabeth Ann McCrea, New Philadelphia

### Bachelor of Art Education<sup>2</sup>

Carol Ann Clifford, Grove City  
Jan Marie Deal, Ashville  
Colleen Marie Durbin, Worthington  
Karen Jean Klabunde, Columbus  
Deborah Hash Lyon, Columbus  
Rosemary Theresa Oliver, Corona  
Denise Marie Parker, Columbus  
Kathy Suzanne Rich, Bellefontaine  
Cheryl Lynn Robinson, Galena  
Mary Rita Timmerman, Fort Recovery  
Cynthia Annette Vaught, Columbus  
Tracey Edward Vincent, Grove City  
Kelly Vorhes Wallace, Columbus  
Tamara Jo Watt, Galion  
Susan Wiedemann, Marion  
Kathryn Denise Willard, Enon

### Bachelor of Music Education<sup>2</sup>

Paul Brent Abramson, Cleveland Heights  
Suzanne Jean Andes, Columbus  
William Irvin Bauer, Wadsworth  
James Leo Brand, Bedford Heights  
George Gregory Brintlinger, Columbus  
Ricard Paul Bueter, Dublin  
Camuel Lee Cross, North Olmsted  
Steven James Edman, Circleville  
Catherine Ann Fesenmyer, Marion  
Thomas Robert Giffin, Columbus  
Russellen Kathryn Grohoske, Columbus  
Thomas Gordon Holliday, Minerva  
Laura Ellen Hoover, Pomeroy  
John Marvin Huffman, Jr., Sylvania  
Valerie Denise Jackson, Gahanna  
Katherine Louise Jurcich, Columbus  
Terrence Michael Lewis, Columbus  
Laurie Elaine Markle, Columbus  
Keith Edwin Matthias, Pataskala  
Martin William Mielke, Valley City  
Dale Frank Nawrocki, Reynoldsburg  
Melinda Marie Penrod, Columbus  
Carol Jean Poling, Lancaster  
David James Redman, Huntsville  
Suzanne Kay Skinner, Athens  
Susan Jean Steiner, Piqua  
Robert Glenn Tucker, Chillicothe  
Christopher John Venesile, Middleburg Heights  
Matthew Thomas Wagner, North Canton  
Nancy Rittenhouse Wehrkamp, Columbus  
Carl Edward Wisener, Wapakoneta

### Bachelor of Science in Audio Recording

Lisa Kaye Dale, Columbus  
Russell Ivan Kacir, Cleveland  
Scott Alan LeHoty, North Royalton  
Dawn Michele Taylor, Xenia

### Bachelor of Science in Industrial Design

LaDonna L. Adams, Circleville  
Brian Craig Bahnen, Columbus  
Scott Madison Belliveau, Reynoldsburg  
Bruce Gerhard Bruggemann, Toledo  
Anthony Scott Byington, Ironton  
Pamela Lee Campbell, Mansfield  
Thomas Alan Chantler, Medina  
Jeffrey Revell Cramer, Bay Village  
Julie Marie Criscione, Parma  
Stacy Lynn Davidson, Pemberville  
Thomas G. Faist, Columbus  
Jodi Ann Faier, Brunswick  
Carlos Rojas Garrido, Caracas, Venezuela  
Lisa Ann Georgeff, Lorain  
Charles Steven Geraci, IV, Cincinnati  
Maureen Gillespie, Chatham, N. J.  
Maria Luz Gonzalez, Caracas, Venezuela  
Anthony Young Guido, New Castle, Pa.  
Deborah Suzanne Harris, Athens  
David Brent Hart, Newcomerstown  
Holly Anne Howell, Fayetteville, N. Y.  
Robert R. Jensen, Dayton  
Kandice Lynne Kain, Findlay  
Kevin Edward Keiser, Columbus  
Kelly Lynn Knouff, Columbus  
James William Lustek, Westlake  
Kevin John McClory, Delaware  
Karen Marie Menz, Ashland  
Goldie Pakkert, Galion  
Maria Palazzi, Oakmont, Pa.

Philip John Park, Westerville  
 Jeffrey Ross Porter, Columbus  
 Robert Arthur Riesenberger, Columbus  
 David Brian Roadcup, Ironton  
 Steven M. Schoener, Union  
 Kristy L. Shields, Reynoldsburg  
 Kathleen Jean Stemley, Kettering  
 Thuy Tran, Columbus  
 Jeffrey Lee Unverferth, Kalida  
 Lori Colleen Winger, Cantonment, Fla.  
 Eria Nan Wise, Elida  
 Douglas Jay Yost, Gahanna

1 Offered by the College of the Arts  
 2 Offered jointly by the College of the Arts and  
 the College of Education

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Arts

Douglas Wayne Bierl, Columbus  
 Judy Haejung Cho, Columbus  
 Michael John Jarosick, North Royalton  
 Charles Robert Sexton, Celina  
 Jeffrey James Tibbs, Port Clinton  
 Charles W. Warner, Newark

### Bachelor of Science

Raymond William Acus, III, Fairborn  
 Kimsey K. Anderson, Minot, N. D.  
 David Terrance Applegate II, Columbus  
 Martin Lee Appleton, Portsmouth  
 David Frederick Baehein, Toledo  
 Mark Michael Bajorek, Wadsworth  
 Damian Banaszak, Seven Hills  
 Philip Murray Barger, Delaware  
 Angela Kay Barnett, Eastlake  
 Roger Russell Bartels, Solon  
 Kevin Patrick Barton, Curtice  
 John Arthur Bauer, Ardmore  
 Ted Allen Beiteltschees, Maumee  
 Gregory R. Bellomy, Whitehall  
 Dale Joseph Block, Columbus  
 Michael William Brickell, Willoughby  
 Gary Charles Brown, Dayton  
 Michelle Marie Buchwalter, Pickerington  
 Christopher T. Budde, Celina  
 Daniel Dale Burwell, Danville  
 Robert Lee Caldwell, Shadyside  
 Patricia Ann Calligan, Toms River, N. J.  
 Mark Allen Carey, Cincinnati  
 William C. Chen, Bexley  
 Steven Martin Cohen, Beachwood  
 Gregory David Cohn, Trotwood  
 Michael Gerard Collart, Huron  
 Marie Louise Corbisiero, Beavercreek  
 Bill Constantine Costaras, North Royalton  
 Todd Alan Crowl, Minerva  
 Andrew Michael Dahern, Huber Heights  
 Nancy Caldwell Daugherty, Shaker Heights  
 Katherine Ann Davidson, Boardman  
 Timothy Andrew Decker, Lucasville  
 Philip S. DeSenze, Wellsville  
 Richard Keith DeStephens, Lima  
 Donna Ann Dewhurst, Whitehall  
 Gary Henry DiBlasio, Youngstown  
 Timothy Eugene Dicke, Lima

Douglas Joseph Dobrozsi, Middletown  
 Thomas C. Dubick, New London  
 Anthony James Esterwood, Cleveland  
 Leslie Sue Fairbanks, Bradner  
 David Jude Feldhake, Cincinnati  
 Belinda Fiorini, Campbell  
 Donald E. Frazer, Jr., Columbus  
 Themelis Nicholas Galouzis, Campbell  
 Ajith Kumar Gangadharappa, Chillicothe  
 Richard Michael Georgeoff, Jr., Youngstown  
 Ellen Mary Geriat, Lyndhurst  
 Jeffrey Mark Gibbs, Upper Arlington  
 Gretchen Gibney, Mansfield  
 Curt A. Gleason, Cincinnati  
 Michael Gary Goldmeier, Columbus  
 Alfred Granson, Jr., West Jefferson  
 Amy Beth Gravitz, Pittsford, N. Y.  
 Thomas Eugene Green, Hamilton  
 Sherri Lee Griffon, Englishtown, N. J.  
 Linda L. Gross, Guysville  
 Mark Ivan Hackel, Columbus  
 Mark Joseph Hardy, Salem  
 Gregory G. Heinrichs, Attica  
 Cynthia Marie Hoess, Columbus  
 Jeffrey John Holmes, Stow  
 John Richard Hurt, West Jefferson  
 Mark Roger Isaacson, Bowling Green  
 Henry Franz Jones, Wooster  
 Natalie Denise Jones, Dayton  
 Chris John Kalucis, Middleburg Heights  
 Patricia Helen Keener, Columbus  
 David Fremd Klein, Mt. Healthy  
 Diane Kostyshyn, Apalachin, N. Y.  
 George Raymond Kousaie, Kent  
 Susan Diane Kraner, Carroll  
 Patricia R. Kuhn, Cincinnati  
 Cynthia Lee Kulis, Kent  
 Teresa Ellen Lamb, Cincinnati  
 Judith Anne Lamia, Hauppauge, N. Y.  
 Joseph Gerard Leahy, Circleville  
 Janet Elaine Lewis, Tiffin  
 Marian A. Lynch, Hilliard  
 Craig Richard Mahon, Columbus  
 Steven A. Marsh, Elyria  
 Ralph Norman Manfred May, Independence  
 Bernard Francis McArdle, North Olmsted  
 David Jay McCann, Mount Vernon  
 David Stanley Medich, Steubenville  
 Michael R. Melick, Roseville  
 Paul Anthony Michelakis, Warren  
 Janet Elizabeth Miles, Columbus  
 Matthew Minarik, Fairview Park  
 Jeffrey Stewart Mitoff, Amherst  
 Perry David Mostov, Youngstown  
 Edith Lucille Myers, Saint Marys  
 Pamela Suzanne Neilands, Naperville, Ill.  
 Lynne Nitzberg, Long Island, N. Y.  
 James Michael O'Leary, Waterford, Conn.  
 Karen Elaine Oder, Mansfield  
 James Donald Overmeyer, Defiance  
 Richard Allen Paat, Maumee  
 John Thomas Pajka, Parma  
 Candace Lynn Palmer, Columbus  
 Gina Lou Phipps, Portsmouth  
 Sabine Petra Plocher,  
 Goepingen, West Germany  
 Dennis Adam Prtenjak, Hincley  
 Thomas Edward Rachner, Columbus  
 Sally Ann Reyerling, Cincinnati  
 Daniel David Richied, Troy  
 John Craig Rogers, Warren  
 Stephen Charles Romisher, Lyndhurst  
 Thomas Kostas Roosvanis, Marion  
 Helene Roussi, Akron  
 Martha Sajatic, Willoughby Hills  
 Timothy Joseph Sauber, Fremont

Drew Allan Sax, Canton  
 Robert Edward Schutz, Findlay  
 Randall Scott Schwartz, Cleveland  
 Tanya Marie Shenk, Lima  
 Beth Ann Sheridan, Poland  
 Cynthia Susan Shie, Westlake  
 Alan Jay Sheier, Dayton  
 Cynthia Kay Sites, Upper Arlington  
 John Kevin Sliwinski, Northfield  
 Diana Kay Steed, Parkersburg  
 Robert Gestrich Stein, II, Ogden, Ut.  
 Daryl Robert Sybert, Ravenna  
 Jason E. Tsch, Cleveland  
 James Nelson Thacker, Brecksville  
 Karl G. Themel,  
 Mulheim a.d. Ruhr, Germany  
 Glenn Richard Thorson, Centerville  
 Thu Ngoc Tran, Columbus  
 Donna Elaine Truesdell, Cherry Hill, N. J.  
 Karen S. Waddell, Dayton  
 Phyllis Ann Waite, Columbus  
 David Alan Wallace, Westlake  
 Scott William Wilcox, Lima  
 Gary David Williams, Fairlawn  
 Randall Lee Wilson, Columbus  
 Greg Alan Wise, Columbus  
 Marsia Dian Wojcikowski, Rossford  
 Amy Lynne Wressell, Florence  
 David Alan Wright, Frazesburg  
 Bryan James Zehner, Dayton  
 Peter Dale Zimmerman, Dayton

## College of Humanities

Dean: Diether H. Haenicke

### Bachelor of Arts

Patricia Jo Ann Adelman, Columbus  
 Peter Adelman, Columbus  
 John Edward Alexander, Worthington  
 Kelly Cole Anspaugh, Wapakoneta  
 Eileen Bernadette Basinger, Cincinnati  
 Margaret Ann Bay, Columbus  
 Fredrick William Bear, Columbus  
 Christie Lynn Bishop, Columbus  
 Larry Lanning Black, Perrysburg  
 Martha Brecht, Princeton, N. J.  
 David Marc Brill, Avon Lake  
 Douglas Gregg Brinkley, Perrysburg  
 Joyce Monroe Brubaker, Columbus  
 Janis Faith Carter, Coshocton  
 Jill Perry Case, Fairmont, W. Va.  
 Craig Andrew Chabot, Cincinnati  
 Melanie Ann Chin, Whitehall  
 Christopher Jon Clay, Sidney  
 Sara J. Colfesh, Columbus  
 Robert B. Conklin, Boardman  
 Mark Christopher Cooke, Ironton  
 Rosa Maria Moreno de Cormanick,  
 Guatemala, Central America  
 Lorene Susan Custer, Jeannette, Pa.  
 \*Gary Stevenson Dickey, Columbus  
 Karen Jane Dishong, Desher  
 Richard L. Douglass, University Heights  
 Sue Ann Dowell, Canton  
 Katrina Lee Dreyer, Columbus  
 Faith G. Durham, Cincinnati  
 Emma Maria Eckenrode, Columbus  
 Deanna Lynn Edgecombe, Westerville  
 Jeffrey John Elasky, Columbus  
 James Robert Flaherty, Columbus  
 Jonathan Miles Gabel, Upper Arlington  
 David P. Gainer, Newark  
 \* To be awarded posthumously



Suzanne L. Gall, Columbus  
 Robert Mark Gardner, Mansfield  
 John Edward Garwig, Canfield  
 Delbert Leon Graves, Johnstown  
 Jeannette Diane Grendahl, Fremont  
 Katherine Lisle Haines, Steubenville  
 Janet Louise Hansen, North Olmsted  
 Linda Elizabeth Hatch, West Newton, Mass.  
 Leigh Anne Hazelbaker, Columbus  
 Adonis Andre Hembriick, St. Albans, W. Va.  
 Judith Elaine Hoersten, Lima  
 Teri Lee Houser, Columbus  
 Laura Jean Ives, Columbus  
 Patricia Lee Jeffries, Worthington  
 Randall David Johnson, Lakeland, Fla.  
 G. Andrew Kahn, Beachwood  
 Laurel Ann Kleingartner, Columbus  
 Laura Ann Lander, Darien, Conn.  
 R. Mark Lawrence, Marion  
 Gina Maureen Lee, Columbus  
 John S. Lee, Montgomery  
 Matthew Wright Leist, Columbus  
 Beth Anne Lewis, Belpre  
 Margaret Ann Colleen Lindner, Columbus  
 Brenda S. Lohrbach, Port Clinton  
 Linda Carol Macklin, Columbus  
 Martha Roberts Mahan, Columbus  
 James Girouard Maki, Granville  
 Caroline Anne Mansfield, Windsor, Conn.  
 Rebeka Lucy Maples, Crestline  
 Linda Jayne Markels, Mendocino, Calif.  
 Richard E. McQuiston, Jr., Baltimore  
 David S. Metcalfe, Columbus  
 Thomas William Metz, Worthington  
 Virginia Young Midkiff, Columbus  
 Annice Evon Miller, Greenville  
 Kathleen Anne Mooney, Cleveland Heights  
 Gary A. Motz, Columbus  
 Michael Alan Murphy, Port Clinton  
 Douglas E. Nartker, Columbus  
 Kenneth Wade Neate, Marysville  
 Christina Sue Nypaver, Warren  
 Joel Glee Oldiges, Dayton  
 Jay Ira Ostipow, Columbus  
 David Allen Perry, Bedford  
 Lisa Katherine Plainte, Columbus  
 Stefan Lee Polihronopolos, Columbus  
 Penny Lynn Popper, Columbus  
 Regina Ellen Quinn, Columbus  
 Caroline Anne Rayner, Columbus  
 Nora Elizabeth Rice, University Heights  
 Shari Ellen Robins, Cleveland Heights  
 Kenneth Thomas Rose, Brooklyn, N. Y.  
 Christy Lynn Ross, Upper Arlington  
 Anne Elizabeth Ruefle, Pittsburgh, Pa.  
 Ralph Christian Sarnowski, Columbus  
 Lily Estelle Schlichter, Columbus  
 Samuel Harry Shamansky, Bexley  
 Jonathan Showalter, Amlin  
 Jeffrey Lee Sparks, Butler  
 Elizabeth Jo Stealey, Marion  
 David Howard Steigerwald, Dayton  
 Nancy A. Stohs, Cleveland  
 Jean Ann Stratman, Columbus  
 Douglas John Thompson, Columbus  
 Mark Eugene Thrasher, Alexandria  
 Bradley Lewis Tindall, Portsmouth  
 John Kenney Trenner, Springfield  
 John Ignatius Uhlenhake, Tiffin  
 Mark Joseph Verbsky, Bellefontaine  
 Christopher R. Wagner, Louisvile  
 Vincent Edwin Wahl, Sandusky  
 Randall Earl Webb, Martins Ferry  
 Jeffrey Drew Wehr, Upper Arlington  
 Cherie L. Weintraub, South Euclid  
 Joy Michelle White, New Philadelphia  
 Beth H. Wilcox, Zanesville

Deborah Kay Williams, Akron  
 Daniel Jeffrey Wilson, Columbus  
 Joann L. Wise, Lexington  
 Noah Walter Yannie, Cleveland

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

Jeffrey A. Babushkin, Bethpage, N. Y.  
 Christina Birinyi, New London, Conn.  
 Michael D. Burkholder, Galion  
 Paula Carol Chen, Taiwan, R.O.C.  
 William Daugherty, Columbus  
 Susan Kalus, Beachwood  
 Carl Richard Kollaritsch, Columbus  
 Dennis M. Lafferty, Columbus  
 Denise Michelle Lesko, Columbus  
 Gregory Scott Lloyd, Washington, D. C.  
 Edward M. McEnerney, Baltimore, Md.  
 Annette Vasko Parker, Columbus  
 Ann Price, Columbus  
 M. Kim Ragerstorf, West Manchester, In.  
 Brian Thomas Taaffe, Columbus  
 Karen Marie Targgart, Upper Arlington  
 Brad S. Tolin, Beachwood  
 Mark Joseph Weien, Lakewood  
 Bruce Eckelberry Wells, Newark

### Bachelor of Science

Sharifah Abdul-Hamid, Kedah, Malaysia  
 Rick Akers, Powell  
 Dean Thomas Allemang, Columbus  
 Sherry Asher, Cincinnati  
 Joseph Michael Bannon, Shadyside  
 Grant Alan Bickel, Convoy  
 Steven Edward Bilon, Lima  
 Samuel Alfred Borchers, Fairborn  
 Kenneth Arthur Broberg, Columbus  
 David Brent Brown, Reedsville  
 Daniel Edward Byers, Westerville  
 Donald Eugene Calhoun, III, Columbus  
 Colleen P. Canavan, Lima  
 Alicia Gutierrez Cepeda,  
 Barranquilla, Colombia  
 Mark A. Chambers, Columbus  
 Eric Martin Cherry, Columbus  
 Brian Edward Chevrier, Columbus  
 Christopher Alan Childs, Dayton  
 Kathleen Marie Cooper, Pataskala  
 Kim Evon Daniels, Columbus  
 James Peter Deering, Cleveland  
 Mariann DiFrank, Toledo  
 Annette Dearth Dickerscheid, Worthington  
 Brad Charles Dodrill, Westerville  
 Ernest George Ehlers, Jr., Grove City  
 Gregory J. Gallagher, Canfield  
 Ted Alan Gallagher, Worthington  
 Katherine J. Gallo, Lisbon  
 Erick Allen Garman, Cuyahoga Falls  
 James E. Geitgey, Fredericksburg  
 Robert James Gerdes, Conneaut  
 Eugene Sol Green, Columbus  
 Karlis Vitauts Grinvalds, Albertson, N. Y.

Gerald N. Hanson, Hopewell, N. J.  
 Laurie Beth Hart, Seattle, Wash.  
 Craig Steven Hartsough, Cincinnati  
 David H. Hettler, Lorain  
 Robert George Heurich, Columbus  
 Kenneth Paul Hinson, Westerville  
 Paul E. Infanger, Columbus  
 Ana Virginia Jimenez, Cuba  
 James Alan Jungles, West Jefferson  
 Farshad Khorrarni, Columbus  
 Joseph Michael Kostecka, Mentor  
 Philip Jay Krauskopf, Reynoldsburg  
 Carol Therese Krueger, South Euclid  
 Vernon Robert Kubiak, Russell Township  
 Kathleen Marie Kuhler, Westerville  
 Kristin Lynn Larsen, Dayton  
 Richard Carl Laubacher, Canton  
 Eric Salta Laus, Columbus  
 Todd Allen Law, Reynoldsburg  
 Geoffrey Roger Leking, Sylvania  
 Teresa Clarkin Loving, Mansfield  
 Theresa Jeanne Maesky, Pickerington  
 Jean Lorraine Marshall, Columbus  
 Kathryn Ruth McCarron, Kent  
 Charlene Ann McGue, Columbus  
 Victor Mesenzef, Jr., Beaver creek  
 Robert Alan Miller, Akron  
 Dale Wesley Mitchell, Dover, Dela.  
 Heidi René Mitchell, Prospect  
 Sally Jo Ewing Moore, Lisbon  
 D. Kris Morrison, Pataskala  
 Karim Joseph Mourad, Brunswick  
 Jeffrey Allen Myers, Groveport  
 Gary Neer, Jackson  
 Trieu N. Nguyen, Columbus  
 Richard Lee Pennington, Westerville  
 James Edward Ray, Garrettsville  
 Barry Lynn Roberts, Broadview Heights  
 William Lewis Roberts, Columbus  
 Mitchell Gregg Roe, Columbus  
 Joseph John Rushanan, Bedford  
 Max Daniel Scarberry, Columbus  
 Jeffrey Lynn Seibert, North Canton  
 Gregory John Seita, Shadyside  
 Lawrence Steven Shifman, Canton  
 Steven Paul Shubella, Columbus  
 Janet Patricia Steensen, Newark  
 Steven J. Stoessel, Worthington  
 Lowell D. Stott, Columbus  
 Philips J. Stuecheli, Akron  
 David Mark Swanson, North Olmsted  
 Jeffrey Van Swearingen, Portsmouth  
 Bradley Scott Tagg, Columbus  
 Brent Roger TAYNOR, New Carlisle  
 Richard J. Trippel, Columbus  
 Philip D. Turner, Columbus  
 Mark Thomas Van Gilder, Tallmadge  
 Stuart Alan Wolf, Mayfield Heights

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

Kimberly Marie Adams, Columbus  
 Leslie Ann Akers, Worthington  
 Megan Brooks Albarr, Columbus  
 Charles P. Alusheff, Willowick

Jeanine Almira Amid, Toledo  
 Jessica Belle Anderson, Ashtabula  
 Mary Andres, Columbus  
 Monjula N. Appaya, Lima  
 Ernesto Alejandro Araujo, Columbus  
 Theresa Dankowski Arnett, Gallion  
 Kevin Keith Ayers, New Philadelphia  
 Laurice A. Baddour, Mansfield  
 Craig Gordon Baldwin, Reynoldsburg  
 Alan Robert Balen, Lackawanna, N. Y.  
 Joann Dee Ballard, Columbus  
 Steven Karl Balogh, Columbus  
 Elizabeth Lee Banbury, Ashland  
 Robert Joseph Bangert, Columbus  
 Lillian Brown Bannister, Lexington, Ky.  
 Katherine Hoover Barrett, Columbus  
 David Michael Bartholme, Cleveland  
 Elizabeth Dawn Bashore, Martins Ferry  
 Randall Eugene Baughman, Fremont  
 L. Michael Beausay, Perrysburg  
 Mark Anthony Betleski, Lorain  
 William Compton Betts, Cincinnati  
 MaryEllen Bigler, Massillon  
 Randall John Bills, Columbus  
 James Mark Bishop, Columbus  
 Rocky Edward Black, Bellville  
 Janice Anne Blake, Sidney  
 Laura Lynne Blythe, Delphos  
 Bettyann Keidel Bobbitt, Columbus  
 Julie Ann Bockelman, Columbus  
 James Lucious Bond, Mansfield  
 John W. Borchers, Fort Loramie  
 Terrence S. Bowen, Cincinnati  
 Carrie Mae Bowers, Powell  
 Mary Anne Boyd, Columbus  
 John H. Bradshaw, Willowick  
 Carolyn E. Brame, Centerville  
 William Joseph Brembeck, Columbus  
 Dawn Kristine Brendus, Canton  
 Catherine L. Breneman, Lancaster  
 Marijke Breuning, Son, Netherlands  
 Joanne Marie Brosmer, Worthington  
 Thomas A. Brown, Jr., Kingston  
 Stephen Robert Bruns, Shelby  
 Gary Steven Bruns,  
 Cape Town, South Africa  
 Barbara Ann Budusky, Cleveland  
 Robert James Burns, Columbus  
 Michael Darren Burt, Mentor  
 Carole J. Bush, Columbus  
 Drew M. Cady, Lima  
 Eduardo Tomas Calderon, Toledo  
 Colin Steven Campbell, Upper Arlington  
 Cynthia Ann Cannon, Aurora, Ind.  
 Cathleen Maria Capodanno,  
 Mountain Lakes, N. J.  
 Joan Laura Carlin, Buckeye Lake  
 John Scott Carlin, North Canton  
 Mary A. Carlisi, Columbus  
 Duane Edward Casares, Toledo  
 Andrea L. Ceisler, Columbus  
 Gregg Anthony Cervi, Toledo  
 Sallie Anne Chaffin, Coventry  
 Steven J. Christopher, Columbus  
 Matthew P. Cincione, Columbus  
 Eileen R. Cipnick, Columbus  
 Bridgette Kelli Conway, Park Forest, Ill.  
 Clarence Conwell, Cleveland  
 Belinda Lee Copeland, Hudson Falls, N. Y.  
 Jo Ann Cornish, Powell  
 Mary E. Cotton, Columbus  
 Cathleen May Cover, Columbus  
 David Gary Cox, Canal Winchester  
 Ralph Keeler Cox, III, Warren  
 Robin Rae Crawford, Akron  
 Robert Anthony Crisanti, Pittsburgh, Pa.

Leah Jean Daugherty, Niles  
 Elizabeth Ann Davidek, Columbus  
 Richard R. Dean, Hilliard  
 Thomas Edward DeCola, Shadyside  
 Christopher Scott Denny, Grove City  
 Barbara Lynn Deppish, Beaver Creek  
 Karen Ann Deran, Broadview Heights  
 Catherine P. Detrick, Dublin  
 Diane Marie Devitt, Uniontown  
 Anita Angela DiPasquale, Galena  
 Sandra J. Dickinson, Omaha, Neb.  
 Christa A. Dimon, Newark  
 Joyce Elaine Dinninger, Mansfield  
 Jill Marie Diorio, Wintersville  
 Nada Divic, East Canton  
 Kirk William Dixon, Columbus  
 Steven Andrew Donnellon, Worthington  
 Paul Norman Dorris, Cleveland Heights  
 Dori Ann Draughon, Toledo  
 Jane Anne Dunham, Findlay  
 John Steven Dunnington, Lancaster  
 Cynthia Alexis Durette, Akron  
 David A. Dye, Bay Village  
 David W. Dyer, Columbus  
 Machelle Rose Eardley, Chardon  
 Julia Isabel Edmonds, Columbus  
 Marcia Ann Egbert, Columbus  
 Suzanne Duval Elder, Cincinnati  
 Diane Lynn Englefield, Newark  
 Pamela Jane Eringman, Columbus  
 Janice Marie Estey, New Hartford, N. Y.  
 Sherry Lynn Evans, Loveland  
 Helen Louise Fanz, Kettering  
 Mark Anthony Pegley, Delaware  
 Tamela Sue Fenwick, St. Marys  
 Jonathan J. Finna, Canal Fulton  
 Dennis J. Fisher, Beachwood  
 Arthur Lawrence Flesch, Columbus  
 Sue Carol Fleshman, Columbus  
 Laurie I. Flotrun, Dayton  
 Stephen J. Flynn, Livonia, Mich.  
 Samuel Dee Fogt, Sidney  
 Douglas Theodore Follmer, Columbus  
 Timothy John Foreman, Elyria  
 Jerry Leon Foust, Ottawa  
 Thomas Frame, Canton  
 Dee A. Frampton, Fremont  
 Eric Andrew Freeland, Lima  
 Julie Marie Fritz, Milford  
 Carmen Angela Fronista, Huber Heights  
 Bradley Edward Fry, Columbus  
 Stanley Orin Furr, Perrysburg  
 Peter J. Garapic, Mentor  
 Fausto J. Garofalo, Jr., Columbus  
 Catherine Suzanne Garrett, Westerville  
 Julie Ann Gay, Cincinnati  
 Jay Mitchell Gerken, Lancaster  
 Nancy Lanigan Giacalone, Columbus  
 Maria Alana Gipson, Marion  
 Amy Elizabeth Glosch, Lodi  
 Phyllis Marie Goodwine-Bradley,  
 Youngstown  
 Timothy L. Gordon, Lyndhurst  
 Jennifer Lee Gray, Pepper Pike  
 Cathryn Kay Green, Louisville, Ky.  
 Kelley A. Green, Caledonia  
 Lawrence Dale Green, Cleveland  
 Marc Richard Greenberg, Bexley  
 Caroline Ruth Gross, Columbus  
 O. Erickson Gunn, Hyannis, Mass.  
 Suzanna Dawn Gussler, Columbus  
 Deborah Lynn Gyurek, Warren  
 Paul Maurice Hamilton, Columbus  
 Clifford F. Hanks, Worthington  
 Holly R. Hanson, Rocky River  
 Kevin Paul Hardman, Akron  
 Lisa Sue Harris, Columbus

Patrick Joseph Harris, Springfield  
 Christopher Duane Harrison, Medina  
 Jayne Ioreen Hart, New Madison  
 Simon Paul St. John Harter,  
 Lawrenceville, N. J.  
 Sandra Marie Hayes, Jefferson  
 Sharyn Lynn Heil, Twinsburg  
 Christina Jean Helsner, Thornville  
 Susan Ellen Hermann, Cincinnati  
 Bruce Dillon Heylman, Cleveland Heights  
 Katy Anne Heyman, Norwalk  
 Kathryn Terri Hill, Seabrook Island, S. C.  
 Michael Richard Hill, El Toro, Calif.  
 Cynthia Jo Hoffman, Ravenna  
 Richard Allen Hogue, St. Clairsville  
 Amy Jill Horowitz, New Gardens, N. Y.  
 Lawrence Philip Hosey, Columbus  
 Kurtis Rodney Howel, West Lafayette  
 Nancy L. Huber, Upper Arlington  
 Kristine Lynn Humphrey, Columbus  
 James Robert Irwin, Columbus  
 Anna Marie Isaac, Columbus  
 Frederick Richard Ishier, Sylvania  
 Deirdre Elizabeth Itts, Canfield  
 Karen A. Izzi, Ashtabula  
 Karen Kay Jackson, Buckeye Lake  
 Terese Annette Jenkins, Liskey  
 Vicki Lynn Jenkins, Dayton  
 Thomas Harold Johantgen, Shelby  
 Lori Ann John, Columbus  
 Brance Allen Johnson, Washington C. H.  
 Diane Lovane Johnson, Columbus  
 H. Jeffrey Johnston, Columbus  
 Elizabeth Ann Jones, Delmar, N. Y.  
 Michele Ruth Kaiser, Cincinnati  
 Mary Helen Karnell, Wheeling, W. Va.  
 Carrie Ellen Kaufman, Akron  
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 Douglas Allen Smith, Akron  
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 Michael Scott Spillman, Tipp City  
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 Kritapof Sundaravej, Bangkok, Thailand  
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 Sue Ellen Tomko, Grafton  
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 Wesley Kyle Untied, Frazeysburg  
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Jane Elaine Myers, Mt. Gilead  
Ada Marie Nowak, Chester, Va.  
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Tony G. Antoniadis, North Canton  
Michael Lee Ashburn, Columbus  
Kenneth William Bach, Valley City  
Frank Robert Beum, Columbus  
Susan D. Boettler, North Canton  
Michelle Jeannette Carlat, Columbus  
Carl Casavecchia, Jr., Cuyahoga Heights  
Laura Jean Chonko, North Royalton  
Richard Alan Clark, Columbus  
Martin Bennett Cohan, Loveland  
Leslie Hutchings Craig, Columbus  
Tony Lenker Custer, Rossburg  
Christopher William Dauner, Cincinnati  
Brent Joseph Devitt, Ottoville  
William Spears Dieckhoff, Dayton  
Kevin Lee Diehl, Pickerington  
David John Diment, Xenia  
Dale Robert Eckard, Lakewood  
Robert Hogan Fletcher, Bay Village  
Dean Leigh Fowler, Chagrin Falls  
Cynthia Jean Fushimi, Dayton  
Thomas Allen Gifford, West Chester  
Mark Francis Golitz, Houston, Pa.  
Alfred Franklin Goshorn, Worthington  
William Bart Griffith, Sparta  
Sander Oscar Hacker, Nutley, N. J.  
Douglas Edward Hall, Englewood  
Russell Spencer Hampton, Columbus  
Rebecca deSchweinitz Hays, Pittsburgh, Pa.  
Peter Brian Henne, Columbus  
Jill Elizabeth Herrold, Chardon  
Carol Ann Holdsworth, Bethel Park, Pa.  
Darci Faye Howard, Milford Center  
Donna Lynn Jackson, Columbus  
Jody Ann Jarman, Felicity  
Judi Beth Kerrigan, North Olmsted  
Kurt Robert Knebusch, Bay Village  
Carey Thomas Knight, North Bloomfield  
Thomas Edward Kohan, Parma  
John Alex Koteles, Garfield Heights  
Richard Michael Kukor, Columbus  
Robert L. Ladin, Elizabethtown, Ky.  
David Scott Lindsay, Cincinnati  
Regan Eugene List, Ashville  
Susan Annette MacLaughlin, Cincinnati  
Sidney Alan Mayfield, Akron  
Anthony Mayo, Mansfield  
James William Mickey, Somerset  
John Stephen Minutili, Grove City  
Eve Marie Molnar, Independence  
Kristine M. Mount, Clayton  
Michael David Mullen, Lewisburg  
Tracy Mark Murray, McConnellsville  
David Michael O'Brien, Dayton  
Chad O'Leary, Toronto  
Nathan Paul Osborne, Worthington  
Lisa Marie Perna, Bay Village  
David Stanley Prazynski, Fairfield  
Mark Taylor Priaux, Columbus  
Laura Lynn Purdy, Cincinnati  
Mary Kim Raderstorff,  
North Manchester, Ind.  
Ronald Gene Robinson, Columbus  
George William Rodway, Akron  
James Henry Romeo, Columbus  
Andrea Diane Rouse, North Olmsted  
Catherine Rusnak, Parma  
Douglas Edward Sassen, Columbus  
Steven Scott Schaller, Lima  
James Joseph Schneider, Kettering

Sarah Anne Schwemler, Stow  
 Brenda Jane Seith, Columbus  
 Mark Charles Spiro, Olmsted Falls  
 James William Steen, Columbus  
 Scott J. Szuter, Kirtland  
 Mary Elizabeth Taggart, Worthington  
 Kevin Earl Toms, Magnolia  
 Clifford Thomas Turk, Clinton  
 Bradley Alan Walker, Marion  
 Tamara Beth Walker, Lynchburg  
 Sandra Jeanet Washington, Columbus  
 Beverly Jane West, Middletown  
 Heidi Sue Williams, Columbus  
 Michael James Yerman, Westerville  
 Barbara Ann Zebroski, Warren  
 Maryellen E. Zeitler, Northfield

Jennifer Ann Gardner, Loudonville  
 Addie Allison Garrison, Wooster  
 Jennifer Lynn Gerding, Hillsboro  
 Dale Robert Gilliland, Nevada  
 Carmela Sue Godfrey, Philo  
 Alex A. Gonyias, North Canton  
 Jeffrey Richard Good, Napoleon  
 David C. Grady, Wadsworth  
 Robert Bruce Graff, Columbiana  
 Matthew Gerard Gress, Geneva  
 Terry Elwin Hambleton, Madison  
 Carol Ann Hauenstein, Dalton  
 Keith Stanley Hawk, Lima  
 Roger Alan Haywood, Elyria  
 James Robert Heckel, Roseville  
 Harvey Neal Hendrix, West Union  
 Linda Kay Herman, Creston  
 Erin Jay Hill, Ravenna  
 Kevin Carl Hinds, Newcomerstown  
 Norbert John Hoerst, Cincinnati  
 Barry Clarke Hogue, North Ridgeville  
 Melissa Martha Hooverman, Garrettsville  
 Dennis Lee Humphrey, Dunkirk  
 Christopher Avery Immel, Seville  
 Eric William Indorf, Beach City  
 Daniel Brian Jacobson, Madison  
 Joseph David Kanoz, Painesville  
 Bently T. Karra, Geneva  
 Michael Andrew Kaefer, Cadiz  
 Sally Anne Keets, Ashland  
 Robert Eric Kehres, New Washington  
 Robert Edward Kelly, Wadsworth  
 Fred Wayne Kieseewetter, Piqua  
 Diane Louise Knight, North Olmsted  
 Susan Lynn Kreamer, Richwood  
 Marvin Lionel Krieg, New Bremen  
 Georgia Marie Kuhle, Flagtown  
 Sara Lynn Lamp, Lancaster  
 David Matthew Lansinger, Kent  
 Deborah Lynn Lauter, Perrysburg  
 Kent Douglas Law, Crestline  
 Ronald Dean Libben, Port Clinton  
 Ted Eugene Litt, Lexington  
 Michael Wayne Lyons, Beverly  
 Sandra Lee Macdonald, Steubenville  
 Theresa Marie Malone, Marietta  
 John William Marker, West Salem  
 David Eugene Markley, West Lafayette  
 Brent Richard McCloskey, Jamestown, Pa.  
 Linda Jean McPherson, Streetsboro  
 Daniel Lynn Meyer, Napoleon  
 Steven Joseph Meyer, Union Grove, Wis.  
 Richard Johnny Minyo, Jr., Cumberland  
 Michael Luther Moenter, Pemberville  
 Barbara Kay Morrow, Ashland  
 David Paul Motz, Cincinnati  
 Rebecca Lynn Myers, Willard  
 Carol Ann Nehrenz, Lakewood  
 Robin Eugene Nofziger, Pettisville  
 Jeffrey Alan Nold, Shelby  
 James F. O'Brien, Chagrin Falls  
 Patricia Ann Parker, Pomeroy  
 Douglas Eugene Parsell, Forest  
 Chris Edward Paul, New Knoxville  
 Lynn Louise Pascos, Pittsburgh, Pa.  
 Scott John Piter, North Olmsted  
 Ada Ruth Piststick, Xenia  
 Roscoe Crockett Porter, Jr., Ashland  
 Maria Pulice, Monroeville, Pa.  
 Carol Jean Purcell, Loudonville  
 Diane Christine Pushwal, Garrettsville  
 Mark Otis Raber, Sugarcreek  
 Kenneth Earl Ramsey, Ridgeway  
 David Alan Reid, Perrysburg  
 Mark Alan Reisch, Worthington  
 Jeffrey John Riegelsberger, Elyria  
 Kelly Ann Rogers, Lancaster  
 Randy Joseph Rohr, Canal Fulton  
 Jerome Michael Roman, Parma

Gregory Eric Rowan, Canal Fulton  
 Anthony Michael Rozzi, Logansport, Ind.  
 Jane Ann Rozzi, Logansport, Ind.  
 Carl David Rupprecht, Seville  
 Amelia Elizabeth Rust, Owensboro, Ky.  
 John Charles Scheerer, New London  
 Vicki Ann Schmitt, Sylvania  
 Brenda Sue Schult, Pemberville  
 David Lyle Schulte, Genoa  
 Sabrena Jane Schweyer, Jeromesville  
 Jeffrey Allen Seabrooks, Pataskala  
 Anthony Paul Siebenack, Rushsylvania  
 Christopher Douglas Sizemore, Oxford  
 Mark Slavik, Lakewood  
 Peggy Sluss, Rochester  
 Frank John Smith, Cleveland  
 Timothy Scott Smith, North Canton  
 Judy Ann Snyder, Sugarcreek  
 Melvin Robert Stein, Gainesville, Va.  
 Lisa Ann Stiner, Ashland  
 Arthur Leroy Stoller, Sterling  
 Brian Mark Sugerman, Wooster  
 Joseph Stanley Super, Vermilion  
 Brian Kenneth Swaney, Harrod  
 Timothy James Tener, Circleville  
 Polly Pratt Ullom, Centerville  
 Jerry Lee Valdingor, Scio  
 Douglas Edward Walton, Sycamore  
 Steven Roy Weeman, Orrville  
 Kim Mildred Wilson, Galena  
 Robert Leonard Winterhoff, Mechanicsburg  
 Mary Anne Witt, Brook Park  
 Mark Edward Zasadinski, Madison  
 Jennifer Kay Zemrock, Wooster

## Agricultural Technical Institute-Wooster

### Associate in Applied Science

Michael Thomas Adams, Parma  
 Eric Charles Addington, Cincinnati  
 Matthew Vance Alexander, Findlay  
 Michael Elden Baker, Monclova  
 Heidi Beth Bargahiser, Mansfield  
 Kristin Elaine Bartter, Wooster  
 Roy Roger Bauer, LaRue  
 David Robert Baum, Toledo  
 Linda Ehrman Beardsley, Medina  
 David John Beattie, Galloway  
 Virginia Torrey Benedict, Perrysburg  
 Kathleen Ann Benjamin, Mantua  
 Lisa Maria Berlier, Bethel  
 Gary S. Besancon, Sterling  
 Matthew Thomas Best, Jewett  
 Cecilia Ann Bick, Norwalk  
 Dawn Michelle Bickel, Cincinnati  
 Christina Lee Bowman, Lakeview  
 Jon Bruce Brinkerhoff, Salem, Ill.  
 Laurie Anne Brower, Cambridge City, Ind.  
 William Campbell Brower, Cambridge City, Ind.  
 Sue Ellen Brown, Wooster  
 Keith Raymond Bruner, Wauseon  
 Vicki Lynn Carpenter, Willard  
 Andy William Cavinee, Monroeville  
 Timothy Wayne Cole, Conneaut  
 Daniel Wayne Corfman, Holmesville  
 Christopher Todd Corn, Whiteland, Ind.  
 Ann Marie Corniels, North Olmsted  
 John Andrew Danko, Middleburg Heights  
 Gregory M. Davis, North Olmsted  
 James Jude Davis, Akron  
 Scotty Wayne Davis, Sandusky  
 Penny Marie Dawson, Washington C. H.  
 Mickey Lou DeCarlo, Wooster  
 Maria Cecilia DeLamerens, Gallipolis  
 David James Demidovich, Westerville  
 Alan Stearns Derikito, Sullivan  
 Denise Louise DeVere, Marshallville  
 Douglas Edward Dickman, Rock Creek  
 Ann Elizabeth Donnelly, Cincinnati  
 Philip Wesley Dorn, South Solon  
 John Joseph Doverspike, Neshah, Wis.  
 Rhonda Kay Ebbsmier, Ottawa  
 Gene Alan Ebsenshade, Ashland  
 Robert Lindsay Esselburn, Shreve  
 Margaret Falk, Helena  
 Matthew Dale Feikes, New Carlisle, Ind.  
 Penny Ann Fitzpatrick, Marysville  
 Danny Coe Fry, Wooster

## College of Dentistry

Dean: William R. Wallace

### Certificate of Graduate Dental Hygienist

Theresa Dankowski Arnett, Mansfield  
 Rebecca Sue Beaty, Worthington  
 Beth Belinda Brooks, Alexandria  
 Joanne Marie Brosmer, Worthington  
 Sandy Lee Burkett, Massillon  
 Susan Andrea Cella, Columbus  
 Belinda Lee Copeland, Hudson Falls, N. Y.  
 Virginia Christine Crandall, Bay Village  
 Elizabeth Ann Davidek, Columbus  
 Dawn Marie Dickman, Sandusky  
 Nada Divic, East Canton  
 Katrina Cotsamire Dreyer, Columbus  
 Mary Catherine Einsel, Ft. Myer, Va.  
 Pamela Jane Eringman, Columbus  
 Linda Ann Geiger, Maumee  
 Lauren Lisa Groscoat, Lakewood  
 Jayne Doreen Hart, New Madison  
 Cynthia Jo Hoffman, Ravenna  
 Lori Jane Kiourtsis, Columbus  
 Cynthia M. Knoch, Columbus  
 Vicki Lynn Kuhn, Columbus  
 Valerie Ann Kutchera, Cincinnati  
 Deana Lynn Kycler, Toledo  
 Theresa Rosaire Leahy, Hilliard  
 Karla Sue Ledford, Dayton  
 Ann Marie Lieb, Kinsman  
 Lisa Ann Lintner, Circleville  
 Francine Beth Mason, Cadiz  
 Nancy Ann Milar, Cincinnati  
 Lisa Marie Montgomery, Canton

Cynthia Elizabeth Moore, Tulsa, Okla.  
 Cynthia Jean Ofer, Louisville  
 Barbara Jean Page, Toledo  
 Irene Marie Parkhurst, Fremont  
 Lynn Marie Parr, Mansfield  
 Kimberly Jean Postma, Columbus  
 Carol Ann Quinlan, East Liverpool  
 Denise Ann Racer, Shelby  
 Sandra Marie Reiss, Columbus  
 Mary Anna Roth, Lebanon  
 Terie Ann Schake, East Amherst, N. Y.  
 Nancy Ann Schomaker, Cincinnati  
 Pamela Lynn Sheatsley, Alliance  
 Maureen G. Shonebarger, Newark  
 Patricia Lynn Shrilla, Mansfield  
 Monica Ann Skebo, Johnstown  
 Robbi Sue Storts, Willard  
 Arlene Mae Weissman, Reynoldsburg  
 Teresa Anne Wirth, Columbus  
 Emily Grace Wolpert, Marysville  
 Jennifer Jane Wright, Newark  
 Terri LynnAnn Young, New Washington  
 Diane Therese Zvosec, Elyria

Sandra Rochelle Brock, Cincinnati  
 Deann Louise Brooks, Wooster  
 Deborah Jane Brown, Sugarcreek  
 Paul Waring Brown, Sylvania  
 John David Bruns, Jr., Westerville  
 Susan M. Buckalew, Delaware  
 Shari Elaine Buehler, Kokomo, Ind.  
 Deilia Cynthia Butler, Arverne, N. Y.  
 Susan Marie Buttress, Columbus  
 Clara Elaine Cail, Richmond, Ind.  
 Eva Marie Cannon, Johnstown  
 Charles J. Capizzi, Sandusky  
 David Steven Caplan, Dayton  
 Jonda Anne Carey, Wilmington  
 Patricia Sue Cassell, Lima  
 Pamela Jayne Chaney, Delaware  
 Carol Ann Cheney, Columbus  
 Virginia Cassidy Christman, Columbus  
 Kimberly Ann Chronister, Plymouth  
 Sarah Howland Clark, Lexington  
 Sally Roan Clary, Newark  
 Carla Joanne Coberly, Akron  
 Mary Ann Coen, Massillon  
 Lisa Marie Cola, Berea  
 James Carl Coldren, Marion  
 Jodi Lynn Collins, Urbana  
 Colleen Marie Coon, Columbus  
 Brenda Kay Cooperrider, Croton  
 Tammie Marie Cordy, Westerville  
 Julie Lynn Cronenwett, Galion  
 Treva Lynn Cummings, Carrollton  
 Cathy Ann Curtis, Fairfield  
 Toni Lenker Custer, Rossburg  
 Margaret Mary Dardinger, Columbus  
 Dennis Joseph Daugherty, Lancaster  
 Linda Sue Davis, Marion  
 Tresa Davis, Columbus  
 Cynthia Lea Dearth, McArthur  
 Nancy Ann DeCaprio, Mayfield Heights  
 Teresa Foos Decker, Lima  
 Dana Marie Dee, Lima  
 Margaret Ilene Lee Defenderfer, Gahanna  
 Loreah Kay DeMoss, Chesterfield  
 Glenda Sue Dennis, Newark  
 Terri Lynn Dershem, Marietta  
 Brent Joseph Devitt, Ottoville  
 Carol Sue Dick, Madison  
 Dale Lynn Dickson, New Lexington  
 Michela Mary DiTommaso, Columbus  
 Cheryl Lynn Dorsey, Tipp City  
 Cassandra Jean Dotson, Bucyrus  
 Daniel Lee Dotson, Bucyrus  
 Mary Louise Downey, Athens  
 Judy Ann Drewes, Columbus  
 Jane Ellen Dudley, Pataskala  
 Duane David Dunlap, Columbus  
 Debra Anne Dworkin, Shaker Heights  
 Julie B. Ebert, Columbus  
 Brenda Lee Lower Elliott, Columbus  
 Debora Kay Ellison, Columbus  
 Susan Elaine Elmore, Sidney  
 Elizabeth Ella Emans, Luckey  
 William Francis Endres, Grove City  
 Lynette Engle, Mt. Sterling  
 Sylvia Rayella Turner Engle, Tiffin  
 Judith Lynne Farrell, Geneva  
 Patricia Ann Fauss, Columbus  
 Christine D. Featherston, Columbus  
 Thomas Brown Fees, Marion  
 Sally Elizabeth Fenton, Elida  
 Douglas Ray Ferrall, Cuyahoga Falls  
 Barbara Ann Finitzer, Lima  
 Annalise Christine Fischer, Columbus  
 Joyce Ann Fischer, Newark  
 Deborah Ann Fisher, Cincinnati

Lori Frances Flegle, Pataskala  
 Theresa Ann Foley, Eastlake  
 Tamara Kaye Freisner, Springfield  
 Tracey Ann Friedman, Dayton  
 Kristi Hoobler Frye, Newcomerstown  
 Lisak Ann Fulston, Pataskala  
 Jill Jeannine Funderburg, Vandalia  
 Cindy Lee Galada, Brecksville  
 Gregory Martin Gallagher, Columbus  
 James Joseph Gardell, Columbus  
 Diana Kay Garver, Ada  
 Louis Keith Gaspar, Whitehouse  
 Karen Wineman Gault, Ashland  
 Karen Sue Gehrig, Columbus  
 Cheryl Diane Geyer, Galloway  
 Christian Allen Gibson, Bay Village  
 Cynthia Kay Gildersleeve, Austinburg  
 Catherine Mary Glass, Celina  
 Pamela R. Glick, Beachwood  
 Michael Christopher Golden, Columbus  
 Lynn Ellen Gorbett, Chagrin Falls  
 Pamela Jo Gottschalk, St. Marys  
 Lynn Diane Gragon, Bellbrook  
 Paulette Michele Grant, Cincinnati  
 Brenda Cheryl Graves, Radnor  
 Lauri Ann Green, Bucyrus  
 Olivia Clark Griffin, Columbus  
 Janet Sue Grimm, Richmond  
 Antoinette Lynne Grissinger, Wellington  
 Marc Grodner, Columbus  
 Elizabeth Joan Guehl, Dayton  
 Pamela Sue Guy, Westerville  
 John Curtis Hall, Marion  
 Robert Allen Hall, Columbus  
 Jill Annette Hamilton, Columbus  
 Patricia Ann Hanley, Columbus  
 Miriam Harman, Galion  
 Kerri June Hart, Fredericktown  
 Jackie Lynn Harter, Apple Creek  
 Mary Lynne Hatcher, Kenton  
 Lisa Gay Hatfield, Columbus  
 Joy Lee Hay, Ashville  
 Rebecca deSchweinitz Hays, Pittsburgh, Pa.  
 Ronald Eugene Heath, Jackson  
 Lynne Anne Heckathorn, Lexington  
 Ellis Charles Helge, Jr., Upper Sandusky  
 Deborah Lynne Henderson, Salem  
 Michele Ruth Herschaft, Pickerington  
 Sanford Dave Hertz, Columbus  
 Joseph Walter Hesselbrock, Reading  
 Gail Fimrock Hetzler, Columbus  
 Sandra Lee Hewitt, North Olmsted  
 Barbara A. Hinkle, Dayton  
 Doris Ann Spears Hirschy, Willard  
 Karen Marie Hiser, Clarksburg  
 Brenda Joyce Hollingsworth, Newark  
 Leslie J. Holt, Lima  
 Kristin Ann Honig, Newark  
 Paul Eric Hooge, Newark  
 Constance Marie Hornyak, Solon  
 Edward Hosey, Sandstone, W. Va.  
 Diana Marie House, Columbus  
 Barbara A. Huggett, Hilliard  
 Susan L. Hullinger, Columbus  
 Carol Ann Humphrey, Columbus  
 Diane Allison Hutchinson, Kettering  
 Shelley Rae Emig Hutson, Wapakoneta  
 Lynne Ellen Immel, Dundee  
 Nancy Lynn Isenberg, Dayton  
 Karen Kay Jackson, Buckeye Lake  
 Pamela Ann Jackson, Newark  
 Jamie Lynn Jacobs, Plymouth  
 Jayne Frances Johnson, Columbus  
 Matthew William Johnson, Marion  
 Barry Lee Jolliff, Wooster  
 Judith Renee Jones, Jackson  
 Lauri Jill Katz, Shaker Heights  
 Susan D. Keiser, Grove City  
 Cynthia Kay Keller, Thornville

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Joyce Yeager Adair, Mansfield  
 Sharon Renfro Adams, Canal Winchester  
 Mollie Marie Ahern, Akron  
 Lisa Ruth Akers, Coshocton  
 Susan Linnea Alexander, Columbus  
 Jennifer L. Allemang, Galloway  
 Catherine Gay Allison, Canal Winchester  
 Louis Scott Anderson, Lyndhurst  
 Shawn Renee Armstrong, Cambridge  
 Amos Dala Asimin, Nigeria  
 Vicky Darlene Atwood, Columbus  
 Paul Scott Bacher, Urbana  
 Drue Ellen Bailie, Cadiz  
 Julia Anne Baker, Sidney  
 Patricia Marie Baker, Newark  
 Paul Douglass Baker, Wakeman  
 Wendy Louise Baldwin, Reynoldsburg  
 Sarah Ruth Banker, Cincinnati  
 Mary Anne Barney, Sandusky  
 Kristine Kuehne Bauerle, Columbus  
 Kenneth Gregg Beall, Dayton  
 James Kevin Beardsley, West Carrollton  
 Karen Marie Beaston, Attica  
 Mary Lennon Belford, Westerville  
 Dee Ann Benander, Steubenville  
 Gay Lee Bennett, Columbus  
 Leslie Denise Bennett, Columbus  
 Andrea Biermacki, Toledo  
 Stephen Dwight Blake, Columbus  
 Pamela Alice Blakey, Columbus  
 Barbara Caroline Bliss, Fremont  
 Cynthia Sue Bolen, Grove City  
 Brenda Jean Bolender, Circleville  
 Shelley Renee Thompson Bope, Plain City  
 Patricia Lowe Bowman, Delaware  
 Cynthia Elaine Bradley, North Canton  
 Bonnie Sue Brammer, Springfield  
 Roberta Ann Braunbeck, Newark  
 Laurie Anne Braverman, Columbus  
 Elizabeth Sue Brenner, Beachwood  
 Sharon Kay Brester, Lima

Gale Ann Kelley, Parma Heights  
 Carol Ann Kendall, Columbus  
 Julie Ann Kennedy, Columbus  
 Karen Annette King, Columbus  
 Quincy Atterberry Kiracofe, Delphos  
 Drew Edwin Kirian, Arcadia  
 Patricia Joan Kirwin, Columbus  
 Kimberly Anna Kmet, Akron  
 Stella Ing-Lin Ko, Columbus  
 Sally O. Koch, Powell  
 Jeffery Chad Kolarik, Upper Sandusky  
 Kathryn Jeanne Kramer, Lima  
 Charlotte Ann Krueger, Spring Valley  
 Lynne Ellen Kruke, Sheffield Village  
 Judith Hildegard Kuhlman, Cloverdale  
 Cherie Jane Kuhn, Mt. Sterling  
 Michael Lee Lakin, Dayton  
 Linda Miller Landis, Lancaster  
 Pamela Sue Latker, Columbus  
 William Allen Law, Hilliard  
 Kelly Martin Leckrone, Columbus  
 Timberly Sue Leffler, Columbus  
 Carol Lynn Lefter, Topeka, Kans.  
 Gayle Williamson Levine, Blacklick  
 Robert Nathan Lindeman, Columbus  
 Patricia McMahon Lindquist, Mansfield  
 Elise Donelson Lingenfelte, Loudonville  
 Tamera Rae Linke, Warren  
 Christina S. Lockett, Wadsworth  
 Linda Kaye Lookenott, Granville  
 Linda Sue Lopez, Newark  
 Herbert Mayhew Lord, Jr., Ashland  
 Marcia Helene Lubeach, Lima  
 Barbara Carroll Lyons, Westerville  
 Pamela Ann Maceyko, Maple Heights  
 Donna Marie MacFarland, Cincinnati  
 Julie Ann Mahoney, Columbus  
 Margaret Louise Maidlow, Cincinnati  
 Karen Lee Mandel, Columbus  
 Laura Marie Maraldo, Cleveland  
 Gregory Dean Markley, Kenton  
 Kathy Lynn Marsh, Columbus  
 Lisa Ann Marshall, Zanesville  
 Beth Ann Martin, Richmond  
 Jillian Anne Martin, Columbus  
 Carol Marie Maser, Columbus  
 Gretchen Mary Matthey, Steubenville  
 Pamela Sue Maxwell, Houston, Tex.  
 Virginia Jean May, Westlake  
 Mary Patricia McCartney, Maumee  
 Barbara Ann McCaslin, Columbus  
 Rebecca Ann Sharpe McClure, Delphos  
 Debra Whisler McCollough, Grove City  
 Kim McConnell, Sedalia  
 Anne Brock McCord, Marion  
 Nancy Lynn McCrackin, Marietta  
 Paula Sue McCullough, Marietta  
 Jeffrey Alan McGarvey, Columbus  
 Leesa Kristine McIlwain, Carroll  
 William Edwin McKenna, Springfield  
 Jill Snively McKinley, Westerville  
 Anne Blaine McMullen, Cincinnati  
 Lisa Dispenette McNichols, Hebron  
 Loretta Joan Melaragno, Columbus  
 Jane Schlemmer Mellick, Mansfield  
 Nancy Jean Merrick, North Canton  
 Susan Jean Mestrovic,  
 Grosse Point Farms, Mich.  
 Rebecca Kay Michelson, Lyndhurst  
 Deborah Eileen Mickelson, Tiffin  
 Brian J. Milleman, Newark  
 Christine Ann Miller, North Canton  
 John David Miller, Middletown  
 Marshall Kay Miller, Kinsman  
 Deborah Sue Mohr, Tiffin  
 Kirk Schaefer Moll, Xenia  
 Amy Jo Montgomery, Eaton  
 Kimberly Ann Moore, Merritt Island, Fla.

Paula Ann Morgan, Chillicothe  
 Georgeann A. Mosberg, Baltimore  
 Simone Moss, Cleveland  
 Matthew James Murphy, Tampa, Fla.  
 Lisa Anne Murray, Elmira, N. Y.  
 Bonnie Sue Myers, Mt. Sterling  
 Lisa Renee Myron, Mt. Vernon  
 Dawn Marie Nelsen, Concord, Calif.  
 Pamela Elizabeth Nethers, Newark  
 Terri Lee Nixon, Pataskala  
 Shella Faye Norris, Leesburg  
 Jon Kingstom Norton, Wellington  
 Sherri Lynn Ogborn, Shelby  
 Patricia Lynn Olvera, Columbus  
 Lorraine Van Ness Orban, Newark  
 Karen S. Pasheilich, Lexington  
 Jill Dey Pauff, Lima  
 Glade Thomas Pauley, Salem  
 Molly Beth Perdue, Columbus  
 Myrna Lou Peters, Mansfield  
 Ruth Ann Pierce, Middletown  
 Carol Jean Poland, Springfield  
 Jann Ellen Poling, Marion  
 Susan Hope Pommert, Washington C. H.  
 David Stanley Prazynski, Fairfield  
 Michael Lane Prickett, Columbus  
 Cheryl Eileen Pusti, North Royalton  
 Jean Marie Rackett, Lebanon  
 Donna St. Clair Radcliff, Columbus  
 Susan Marie Randels, Worthington  
 Joseph Thomas Reilly, Columbus  
 Laura Diane Repke, Gahanna  
 Debra Jeanette Reynolds, East Liverpool  
 Dale Martin Rhine, Columbus  
 Steven Paul Humphrey Ricard, Columbus  
 Rebecca Jo Rickly, Loudonville  
 Mary E. Rigali Kiepenhoff, Lima  
 Ruth Elizabeth Rittberger, Zanesville  
 Dyana Colgin Robenalt, Columbus  
 Courtenay Davis Robinson, Columbus  
 James Irvin Robinson, Mansfield  
 Nancy Lee Robinson, West Lafayette  
 Deborah Lee Rodefer, Alliance  
 Barbara Ann Roop, Elida  
 Janet Sue Ross, Sidney  
 Suzanne Louise Ruhm, Cincinnati  
 Kathy Jo-Ann Runkel, Steubenville  
 Buddy Wayne Rupe, Galion  
 Leslie GeNell Rurode, Covington  
 Deborah Ann Rush, Cortland, N. Y.  
 Thomas Allen Russell, Lexington  
 Sandra Kenney Rutter, Mt. Vernon  
 Georgianna Hanshaw Rymer, Columbus  
 Kathleen Salsler, Columbus  
 Sue Maleia Salsler, Johnstown  
 David Alan Sayre, New Philadelphia  
 Lisa Ann Sbrochi, Columbus  
 Donald Kevin Schaefer, Reynoldsburg  
 Michelle Annette Schafer, Toledo  
 Peri Jo Schmerbeck, Clyde  
 Ann Elizabeth Schmidt, Mansfield  
 Donna Lynn Schneider, Columbus  
 Christine Sue Schreck, Columbus  
 Lisa Rene Schumacher, Pandora  
 Laurie Lee Seabeck, Willoughby  
 Kathleen Louise Seeds, Boardman  
 Mary Seelbach, Columbus  
 Susan Elizabeth Seikel, Akron  
 Randall J. Sells, Dayton  
 Lynn Robin Shaeffer, North Olmsted  
 Melissa Dunmire Shaffer, Galloway  
 Haven Clark Shelton, Worthington  
 Kimberly Sue Sherrard, Zanesville  
 John Gregory Shivener, Reynoldsburg  
 Deborah Sue Shoaf, Columbus  
 Deborah Lou Shoemaker, Bourneville

Larry Gilbert Siferd, Lima  
 Mark Alan Sigler, Columbus  
 Julie Anne Slagle, Columbus  
 Billie Karen Smith, Bexley  
 Deborah Louise Smith, Cincinnati  
 Cheryl Ellen Smith, Columbus  
 Jany Lee Snoddy, Columbus  
 Karen Ellen Sobul, Clifton, N. J.  
 Susan Ann Sovine, Tipp City  
 Linda Keturah Spencer, Columbus  
 Jeanette Rene Spohn, Somerset  
 Susan Renee Squire, Defiance  
 Roderick Glenn Stancliff, Cincinnati  
 Debra Ann Stauffer, Massillon  
 Elaine Steinhauser, Circleville  
 Robert Richard Stephenson, II,  
 New Philadelphia  
 Raymond Loyal Stewart, Delaware  
 Gale Ann Stiles, Rocky River  
 John Gerald Stipek, Jr., North Olmsted  
 Lida Jo Stockwell, Delphos  
 Brenda Kae Susi, Worthington  
 Sheila Jo Szabo, Canton  
 Kimberly Jean Tabor, Mansfield  
 Alison Heather Taylor, Xenia  
 Annette Dianne Taylor, Mansfield  
 Kathryn Anne Taylor, St. Marys  
 Patricia Ann Taylor-Broberg, Columbus  
 Beverly Stone Thompson, Marengo  
 Edgar Kay Thompson, Jr., Ostrander  
 Joyce Lynne Thompson, Tiltonsville  
 Kay Elizabeth Thompson, Port Clinton  
 Mary L. Thompson, Columbus  
 Lisa Marie Todd, Columbus  
 Kimberly Lynn Tolbert, Niles  
 Lori Jean Tolliver, South Solon  
 Mary Frances Tornes, Columbus  
 Donald Jerome Toth, Delaware  
 Richelle Louise Townsend, Wadsworth  
 Kathleen Marie Trainer, Lima  
 Joanne Ella Trende, Streetsboro  
 Kelly Leigh Trent, Jacksonville, Fla.  
 Maryalice Bower Turner, Columbus  
 Debra L. DeFouw Valentine,  
 Upper Arlington  
 Grace Brophy Volker, Columbus  
 Margaret Lynn Volzer, Burton  
 Marsha Irene Vonderembse, Lima  
 Linda Lee Wachtel, Orrville  
 Carol Lee Wagner, Edison  
 Rita Jean Walker, Mansfield  
 Timothy Allen Walkup, Reynoldsburg  
 Elizabeth Jane Wallace, Worthington  
 Jodi Lynn Warner, Louisville  
 Ahmed Cham Wasa, Bauchi, Nigeria  
 Robin Beth Weinstein, Norfolk, Va.  
 Joseph Jerome Weis, Galion  
 Victoria Lynn Welch, Pickerington  
 Sherri Becker Wellert, West Salem  
 Dana Jo Whited, Hamilton  
 Marcelle Marie Wilder, Newark  
 Christine Marie Wilhelm, Reynoldsburg  
 Anthony Gerard Williams, Franklin  
 Doris R. Wilmington, Lorain  
 Karen L. Wilson, Reynoldsburg  
 Robert Lawrence Winkler, Lima  
 Lisa Ann Wirthman, Columbus  
 Liliane M. Wiswell, Lima  
 Vicki Ann Woodrum, Columbus  
 Carla Adams Yale, Hilliard  
 Steven Edward Yoder, Plain City  
 Teresa Jo Yontz, Caldwell

Rita Crayercroft Young, Kent  
Marcia Sue Yunker, Galion  
Fern Ilene Zuckerman, Beachwood

**Bachelor of Art Education and  
Bachelor of Music Education**  
degrees are offered jointly by the  
College of the Arts and the  
College of Education.

Candidates are listed under  
College of the Arts.

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Jose Gregorio Aguilar,  
Maracaibo, Venezuela  
Mark Edward Bartman, Worthington  
James Kenneth Black, Flemington, N. J.  
Bruce Alan Carter, Circleville  
Russell Brian Cline, Lancaster  
Brian Samuel Hays, Wadsworth  
Kris Phillip Hein, Madison  
Jack Henry Lucas, Wyoming, Mich.  
Jeffrey Lynn Maresh, Walton Hills  
Donn Michael Mills, Canal Winchester  
Steven William Rudy, Columbus  
Margaret Grace Schweitzer, Lisbon  
Wayne Allen Spence, North Robinson  
Jon Edward Spryer, Grove City  
John Gerard Standen, Cleveland Heights

### Bachelor of Science in Aviation

Michael Alan McCoy, Chillicothe

### Bachelor of Science in Agricultural Engineering

David Lee Diefenthaler, Martin  
Charles Richard Frazier, Newark  
Jerry Lee Harris, Cardington  
Jeffrey Bay Helmut, Orrville  
Michael Kent Holloway, Willshire  
Debra Jo Martin, Genoa  
Sue Ellen Nokes, Canal Fulton  
Asye Sevin Tin, Columbus  
Gregory Charles Topp, New Bremen  
Stephen Ray Workman, Lynchburg

### Bachelor of Science in Ceramic Engineering

Raymond Earl Barnes, Wooster  
Barton Lee Browning, Newark  
Dennis Shawn Fox, Columbus  
David Howard Freund, Westerville  
Douglas Paul Gerhardt, Springfield  
Gregory Hamilton Jones, Portsmouth  
Richard Joseph Koba, Jr., Lorain  
Jack Douglas Larry, Newark  
David Nelson Lyster, Silver Lake  
Charles Robert Martz, Delphos

Robert Clair Oberst, Columbus  
Michael Jeffrey Readey, Dublin  
John Stewart Reid, Columbus  
Thomas Lamar Riley, II, Manchester, Conn.  
Stacey Allen Ruff, Columbus  
Martin Joseph Shingler, Solon  
Lisa Marie Springer, Solon  
Teresa Lynn Trott, Zanesville

### Bachelor of Science in Chemical Engineering

Mary Abel, Coshocton  
Keith Alan Artman, Dayton  
Douglas Harry Baughman, Cincinnati  
Robert Andrew Bollinger, Akron  
David Brian Boyle, Ashtabula  
Douglas Jay Bryan, Delphos  
Jeffrey Lynn Cline, Sandusky  
Chi-Thien Doan, Dayton  
Diana Lynn Dudash, Avon Lake  
Debra Ann Edwards, Xenia  
John Ralph Gayler, Columbus  
Mike Addison Greene, Hudson  
Mark Joseph Gruber, Columbus  
Charles George Hardy, Cleveland  
Jeffrey Allen Harwood, Ashland  
Hamid Reza Hashemi, Tehran, Iran  
Richard William Hendricks, North Olmsted  
Alex Walter Kawezak, Parma  
Donna M. Kronz, North Olmsted  
Dan Lambert, Murrys, Pa.  
Kathleen Lynn Malone, Gahanna  
Thomas Edward Mantkowski, Brecksville  
Rosanne Maraffa, Columbus  
Frank Thomas Marriott, Gahanna  
Ronald Sherman May, Alliance  
James Richard McDermott, Campbell  
Gregory Arthur Michaels, Seven Hills  
Jeffrey Newton Molnar, Columbus  
Lauralee A. Montgomery, Chillicothe  
Julie G. Murphy, Gahanna  
Gary Dean Parsons, Worthington  
John William Poore, Amherst  
Kimerly Ann Powell, Bay Village  
Robert Elie Rabbat, Beirut, Lebanon  
Michael Frederick Reardon, Canfield  
Sumner Marc Saeks, Dayton  
Brian David Smith, Columbus  
Christina Marie Stark, Bryan  
Cynthia Louise Stoops, Columbus  
Richard MacIntosh Sturgeon, Columbus  
Janet Lynn Taite, Barberton  
Charles Samuel Tritt, Columbus  
James Maurice Trowbridge, Minford  
John David Underwood, North Canton  
Andrew Michael Weber, Bedford Heights  
Debra Sue Worthington, Jackson  
Lawrence Edmund Yanaras,  
East Hartford, Conn.  
James Bradley Young, Canal Fulton

### Bachelor of Science in Civil Engineering

Darren Jay Allen, Columbus  
Jeffrey William Beitel, Columbus  
William John Benko, Fairview Park  
David Allen Brittain, Struthers  
James Joseph Burns, Reading  
Laura Lynn Busch, Alsip, Ill.  
Douglas Alden Buskirk, Clarksburg

Bruce Allen Coates, Columbus  
Kevin Joseph Collins, Boston, Mass.  
Jonathan David Conant, Beachwood  
Kenneth John Counihan, Beverly, Mass.  
Christopher Thomas Engle, Gahanna  
Fared Farzanneh, Tehran, Iran  
Charles Richard Follrod, Pomeroy  
Ronald Allen Geiger, Huber Heights  
Barbara Rae Gerhart, Lakeline  
Homa Ghaemi, Tehran, Iran  
Elias Yacoub Ghosn, Kafarhata, Lebanon  
Richard Paul Gross, Jr., Buffalo, N. Y.  
Jerold P. Gurley, Fairport Harbor  
Wayne Russell Haggstrom, Annandale, Va.  
Gary Michael Heckman, Dayton  
Roderick Arthur Hooper, Cincinnati  
Omar Hunidi, Damascus, Syria  
David Alan Jarrell, Shelby  
Sharon K. Johnston, Wooster  
Michael Anthony Joseph, Columbus  
Steven H. Kremer, St. Henry  
Fariborz Labafinejad, Tehran, Iran  
William Blaine Lozier, East Sparta  
Kevin Lynch, Columbus  
Richard Brian Marshall, Columbus  
Daniel Andrew McDowell, Martinsburg  
Craig Eugene Metzger, Columbus  
Kevin Daniel O'Brien, Cincinnati  
Chee-Yan Ong, Kuala Lumpur, Malaysia  
Eddy Joseph Poprock, Lorain  
Lynton Leonard Price, Columbus  
Fariba Rahnavard, Tehran, Iran  
Alan Dale Reinbolt, Sylvania  
Stephen John Salay, Pittsburgh, Pa.  
Jane Frances Savage, Lancaster  
Kimberly Ann Sendelbach, Lebanon  
Susan Marie Shanahan, Toledo  
Gregory Vincent Sketch, Ludlow, Ky.  
Kevin Doye Swiger, Granville  
Stephen Dale Thompson, Columbus  
Ronald William Turner, New Carlisle  
Nghia N. Vo, Columbus  
Joseph Carl Wellinghoff, Middletown  
James Earl Womeldorf, Baroda, Mich.  
Nina Gay Zolten, Cleveland Heights

### Bachelor of Science in Computer and Information Science

Julie Ellen Bendig, Pindley Lake, N. Y.  
Deim Trong Bui, Westerville  
Thomas Joseph Cissell, Galloway  
Emily Noreen Donelson, Loudonville  
Michael Scott Endsley, Bellefontaine  
Keith Alan Fish, Columbus  
David Jay Griggs, Middletown  
Karen Ann Hardgrove, Mentor  
Kevin Frank Hennessy, Columbus  
Don Murray Iles, Jr., Galion  
Tim Alan Landwehr, Lima  
Linda Marie Lehman, New Philadelphia  
George James McLauchlan, Stamford, Conn.  
Steven John Procup, Defiance  
Joachim Schuler,  
Ludwigshafen, West Germany  
Kevin Robert Schneider, Northfield  
Steven David Schoenstein, Upper Arlington  
Steven Keith Shaddy, Columbus  
Dana Mark Spuhler, Uniontown  
Bruce Warren Talbott, Lancaster  
Robert Bryant Thomas, Euclid  
Jane Ann Wauben, Delphos

## Bachelor of Science in Electrical Engineering

Karen Lee Acus, Fairborn  
William Hugh Balhorn, Broadview Heights  
Gregory Raymond Basile, Akron  
Donald Frederick Bittner, Westerfield Center  
Eric Francis Breitfeller, New Albany  
William Joseph Burwell, Ottawa  
David Wesley Carr, East Liverpool  
Gorky Chin, Cleveland Heights  
Chandan Choudhary, Cincinnati  
James Joseph Cockrell, Mt. Vernon  
Calvin Allen Coffey, Avon Lake  
Russell Lee Coffman, Dublin  
William Joseph Colbert, Mission Viejo, Calif.  
Sandra Corbacioglu, Rittman  
Catherine Ann Corwin, Westlake  
Philip Joseph Cronmiller, Port Bryon, N. Y.  
Damon Franklin Curry, Lexington, Ky.  
Stephen Martin DeLise, Jr., Martins Ferry  
Jeffrey David Donne, Oakmont, Pa.  
Michael Reuben Downey, Akron  
James Edward Eberhart, Troy  
Ali Ebrahimian, Tehran, Iran  
Ali Mohammed El-Hallak, Columbus  
Garrett Richard Elworth, Dayton  
Maria Annette Enrione, Cincinnati  
Mohammed Mohammed Ettuba, Tripoli, Libya  
Richard Allan Eversole, Ft. Jennings  
Maurice Clinton Forrest, Jr., Syracuse, N. Y.  
Mark James Fraker, Columbus  
Susan Marie Fuller, Costa Mesa, Calif.  
John Michel Gahl, Cincinnati  
Cynthia Ann Glasgow, Gahanna  
Richard Joseph Glossop, Cincinnati  
Kenneth Edward Grigsby, Akron  
Donald Philip Grimes, Hilliard  
Mark Anthony Gundelfinger, Columbus  
Donald Dean Gunvalsen, Parma Heights  
Mary Michelle Hagan, Columbus  
Tamra Jo Hammond, Monroe  
Paul F. Herman, Columbus  
Glenn Samuel Himes, Columbus  
Edward Ernest Hosbach, II, Dayton  
Jeffrey Craig Hunley, Bexley  
Timothy Lee Johnson, Monroe  
Eugene Patrick Johnston, Fairborn  
Donald Felt Kimball, South Euclid  
Neil Alan Kirby, Beavercreek  
Stanley Joseph Kmonk, Rossford  
Kevin Douglas Koehler, Upper Sandusky  
Chris Scott Kogge, Vacaville, Calif.  
William Joseph Kurklis, Columbus  
George Clinton Lampe, Cincinnati  
Mun Keung Leung, Hong Kong  
Jeffrey Alfred Lick, Chardon  
John Hayes Ludwig, Marion  
Charles Raymond Magee, Columbus  
John Andrew Maul, Jr., Lyndhurst  
Euel Woodrow Mauney, II, Pickerington  
Clifford McCleese, Jr., Amherst  
C. Michael Miller, Columbus  
Gerald Lee Miller, Columbus  
Timothy Robert Mischler, Columbus  
Robert George Moll, Jr., Cincinnati  
Russell Glenn Morgan, Whitehouse  
James Robert Murphy, Hebron  
Edmunds Douglas Neilands, Columbus  
Khue Dang Nguyen, Columbus  
Luan Kinh Nguyen, Columbus  
Lori Ann Ohlbaum, Fairborn  
Michael Robert Oteasek, Euclid

Francis Joseph Pahr, Monroe  
Daniel Arie Palombo, Rockaway  
Donald Anthony Paoletti, Upper Arlington  
Robert John Pcionek, Mansfield  
Timothy Dale Peeples, Troy  
Shawn Pleasants, Blacklick  
Paul Ericpond, Upper Arlington  
Barry Kevin Pugh, Miamisburg  
Donald Edward Reichenbach, Jr., Winterville  
Graydon Alan Reitz, Columbus  
Michael Ricchetti, Parma  
Russell David Richardson, Whitehall  
Paul Andrew Rohen, Waterville  
James Joseph Russell, Columbus  
Sean Michael Saccocio, Columbus  
Randall Martin Scott, Lima  
Kristin Mikel Seeds, Columbus  
Timothy Lee Sharp, Ludlow Falls  
Ralph Allyn Sprang, Jr., Columbus  
Robert Lenhart Spring, Canton  
Vishnu J. Srivastava, Columbus  
Gary Warren Stiefel, Upper Arlington  
Mark Alan Stiving, New Concord  
Kathleen Ann Straub, Sardis  
John Edward Tehan, Jr., Dayton  
Frank Joseph Thomas, Girard  
David Wayne Thompson, Lima  
Timothy Richard Thompson, Columbus  
Matthew Douglas Toth, Winfield, W. Va.  
Timothy V. Toth, Dayton  
David Llewellyn Turner, Columbus  
Thomas Alan Valentini, Lafferty  
Charlene L. Vaughn, Lorain  
Mark Steven Wallick, Columbus  
Beth Jean Wandel, Columbus  
David William West, Pittsburg, Pa.  
Warren Ralph Whitehead, Columbus  
Dave Milton Wickerham, II, Bellefontaine  
Timothy Joseph Wurth, Kalida

## Bachelor of Science in Engineering Physics

Donald Lawrence Agresta, Columbus  
Jennifer Irene Amlin, Vandalia  
Rex Allen Browning, Columbus  
Arturs Eriks Dinbergs, Broadview Heights  
Gordon Hall Gaimer, Jr., Heath  
Richard Kevin Jones, Oak Hill

## Industrial Engineer

George Harold Stevenson, Columbus

## Bachelor of Science in Industrial and Systems Engineering

Donna Jean Adams, Dayton  
Athanassios N. Archakis, Thessaloniki, Greece  
Cindy Sue Arndt, Graytown  
David Alan Bazler, Columbus  
Kim Prasek Bean, Worthington  
John C. Beard, Fairborn  
Jennifer Ann Bibb, Gary, Ind.  
Janet Lynne Braun, Cincinnati  
Stephen Michael Brinkman, Huber Heights

Nick B. Christo, Elyria  
Thomas John Cirata, Shelby  
Beverly Ann Cox, Elyria  
Richard D. DeMiglio, Cuyahoga Falls  
Rick L. Dessecker, New Philadelphia  
Lynn Mealey Dubick, Fairview Park  
Erol Ahmet Eraybar, Chippewa Lake  
Angela Vasilou Fallidas, Columbus  
Darlene Dorothy Fodo, Seven Hills  
Craig Samuel Foster, Oreland, Pa.  
John Joseph Fortin, Columbus  
Joseph David Freaney, Youngstown  
Peter Anderson Greene, Elyria  
Carol Sue Harter, New Madison  
William Joseph Heiselman, Akron  
Michael Palmer Hoppe, Lyndhurst  
William Alan Johnson, Columbus  
Joseph Martin Kaufman, Upper Arlington  
Gary Dean Kohls, Columbus Grove  
Kimberley Kristene Krupp, Lorain  
Karen Marie Kuehn, Parma Heights  
Kevin Allan Larson, Lakewood  
Sondra Kay Layne, Columbus  
Thomas Lombardo, Pittsburgh, Pa.  
William Alan Marzich, Massillon  
David Richard May, Chatham, N. J.  
John Jay McDaniel, Logan  
Patrick Mark Messersmith, Avon Lake  
Bernadette Ann Mihalic, Lorain  
Roger Ingraham Miller, Euclid  
Joyce Annette Misinec, Jefferson  
Robert Ellsworth Myers, Grove City  
Marc Richard Ozamiz, Columbus  
Scott Russell Pilkington, Ashtabula  
Jeff Alan Ray, Columbiana  
Steven J. Rollison, Columbus  
Scott Robert Saaheen, Cleveland  
Diene M. Sater, Berea  
Steven Lee Schatz, South Euclid  
Steven P. Schoenlein, Coldwater  
William Robert Schweinfurth, Warren  
Joanne Marie Sheppard, Parma  
John William Smith, Jenera  
David Kevin Teeple, Columbus  
William Michael Thrasher, Columbus  
Stanley Joseph Vitikas, Youngstown  
Sarah Marie Wallack, Westfield, N. J.  
William David Walters, Columbus  
Richard Joseph Wetzel, Columbus  
Gerald Anthony Wurth, Kalida

## Bachelor of Science in Mechanical Engineering

Mohammad Ahmadi-Marandi, Worthington  
Bill Russell Alexander, Jr., Columbus  
Scott Edward Avey, Brecksville  
Edward John Bailey, Cincinnati  
Daniel Joseph Barrett, Parma Heights  
Richard Michael Bradfield, Fremont  
David Andrew Bremdamour, Cincinnati  
Yossi Chait, Ramat-Gan, Israel  
Charles Edward Cofey, Columbus  
John David Cluey, Greenfield  
Eric Paul Darwin, Columbus  
Russell Gerard DeAnna, North Royalton  
David William Dennis, Sagamore Hills  
Richard Allen Erickson, Marion  
Bryan Anthony Feimer, Broadview Heights  
Thomas Ogden Fenn, Huron  
Clark Nairne Fisher, Worthington  
Ronald Jay Gaines, Toledo  
David D. Garten, Columbus  
Joseph Giammarco, Columbus  
Tyler Scott Gingrich, Mildenhall, England  
Daryl Reed Greywitt, Strongsville

Mark Allen Groeneweg, Bay Village  
 Michael Neal Hamilton, Circleville  
 Steven Martin Hatcher, Shelby  
 Gary Joseph Heydinger, New Washington  
 Theodore Carl Holland, Lithopolis  
 Russell Mark Hoppes, Springfield  
 Richard James Humason, Cincinnati  
 Paul Jonathan James, Columbus  
 Mark Steven Janosky, Cortland  
 James Michael Johnson, West Union  
 Jon Bradley Kelm, Lisbon  
 Vincent Leonard Klein, Norton  
 Ronald Michael Kovach, Avon Lake  
 Victor David Kruppa, Cortland  
 James Hogan Liston, Jr., Columbus  
 Paul Anthony Miklovich, Brighton, Mich.  
 Ronald Harold Miller, Auburn, N. Y.  
 Todd W. Miller, Grove City  
 Larry Lee Minnich, Covington  
 Carl Edward Nestman, Old Tappan, N. J.  
 Paul William Ortiz, Cincinnati  
 Issac Ramsini, Columbus  
 Joseph Matthew Reda, Bronz, N. Y.  
 Jeffrey Scott Rittichier, Toledo  
 Julie Layne Rodriguez, Scotia, N. Y.  
 John H. Ruhrkraut, Parma  
 Kendall George Savage, Xenia  
 Carl Robert Schulz, Burbank  
 Thomas Daniel Shanks, Cincinnati  
 Mitchell Donald Smith, Vincent  
 Daniel John Stelzer, Coldwater  
 Ronald Lee Sutton, Evanston, Ill.  
 Lisa Marie Uhrig, Mountain Lakes, N. J.  
 Timothy Donald Ward, Cincinnati  
 Timothy Douglas Warren, Findlay  
 Pamela Lynn Wolf, Amherst  
 Nell Diane Wolfe, Dublin  
 David Yakubek, Salem  
 Randal Lane Zerbe, Sidney  
 David Allan Zoloty, Middleburg Heights

### Bachelor of Science in Metallurgical Engineering

Diane Elizabeth Albert, Forest  
 Timothy Edward Eagle, Middletown  
 Gordon Randolph Holcomb, Worthington  
 David Michael Kindel, Barberton  
 Donna Janice Moore, Stow  
 John Matthew Pirman, Cleveland  
 Eric Scott Schriver, Baden, Pa.  
 Mark James Straszheim, New Madison  
 Charles Scott Wade, Carrollton  
 Sandra Lynn Wakefield, Madeira  
 Cynthia Marie Wise, Dayton  
 Mark Richard Zelle, Canton

### Bachelor of Science in Mining Engineering

Hamid R. Djahanshahi, Richwood  
 Timothy Charles Noyes, Mt. Perry  
 David Edwards Wiseman, Gallipolis

### Bachelor of Science in Surveying

Peter Leroy Arnold, Dixfield, Me.  
 Mark Jonathon Ellis, Monroe  
 Gregory Vincent Sketch, Ludlow, Ky.  
 Bassey Edet Ukim, Uyo-Crs, Nigeria

### Bachelor of Science in Welding Engineering

Larry Joseph Barley, North Canton  
 Kevin Eugene Baughn, Dayton  
 Donald Alexander Cain, Columbus  
 Richard Leslie Chesser, Columbus  
 Donald Joseph D'Angelo, Grove City  
 Allan Wallace Ferdi, Columbus  
 Steven Anthony Gedeon, Parma  
 Brian Richard Hoskins,  
 New Martinsville, W. Va.  
 Timothy Allen Jones, Middletown  
 George Michael Learmonth, Columbus  
 Ernest David Levert, Cleveland  
 Scott Michael Metzger, Findlay  
 Roger Gene Miller, Waterford  
 Daniel Anthony Nowak, Columbus  
 Larry P. Perkins, Medway  
 David C. Risk, Fairborn  
 Dale Aifred Rupert, Jr., Brecksville  
 Alexander F. Skipp, III, Warren

### School of Architecture

#### Bachelor of Science in Architecture

Terry Ray Aldridge, Fairborn  
 Robert Francis Aray, Jr., Columbus  
 Jeffrey John Bacon, Norwich, Conn.  
 David Lynn Chapman, Columbus  
 Carla Rose Corroto, Canfield  
 John Frederick Faile, Bay Village  
 Diane Sheri Faridad, Bayside, N. Y.  
 Laretta Lee Fiorentino, Worthington  
 Gerald David Fridenmaker, Dayton  
 Timothy Eugene Fry, Waterville  
 Linda Anne Green, Muttontown, N. Y.  
 Timothy Boyd Hill, Coldwater, Mich.  
 Marc Alan Hull, Brook Park  
 Peter Joe Hummel, Parma  
 Jeffrey Steven Kallas, Johnstown  
 Lawrence Jacob Kalman, Columbus  
 Steven Garth Kelley, Chesterland  
 Robert Warren Lay, Columbus  
 Thomas Michael Lee, Newark  
 Edward Robert Lisogar, Vancouver, Canada  
 Carlos Manuel Martinez, Columbus  
 Kevin Paul McLinn, Upper Arlington  
 David Ross McMahon, Dresden  
 Charles Blyss Moorhead, Canton  
 Thomas John Nau, Fostoria  
 Sheryl Anne O'Reilly, Galena  
 Frank Anthony Pettinati, Rochester, N. Y.  
 Thomas Robert Pruckno, Boonville, N. Y.  
 Edward Allan Pyrch, Ashland  
 Palmer Brook Schooley, Columbus  
 Tony Rene Schorr, Lancaster  
 Paul Michael Spung, Worthington  
 Kirk R. Stevens, Toledo  
 Ronald Clair Stokes, Upper Arlington  
 Youtam Joseph Varda, San Jose, Calif.  
 David Allen Youse, Fort Wayne, Ind.

#### Bachelor of Science in Landscape Architecture

Jennifer Diane Allsop, Amherst  
 John David Anderson, Westerville  
 Susan Deborah Andresen,  
 Silver Spring, Md.  
 Carl Frank Armanini, Dayton  
 Richard Joseph Attenello, Clifton, N. J.

Fredrick Prindle Behlen, Rocky River  
 Elaine F. Berry, Columbus  
 Robert James Black, Beaver, Pa.  
 Michael John Blomstran, Massillon  
 Dale James Burrier, Canal Winchester  
 Cecelia Catherine Byrnes, Cincinnati  
 John Geoffrey Cardwell, Milan  
 Gregg Edward Daum, Medina  
 Janet Ann Elsaesser, Cincinnati  
 Richard Wayne Espe, Centerville  
 Elliott Chrysty Evans, Columbus  
 John Anthony Eyermer, Columbus  
 Gary Robert Fankhauser, Columbus  
 Paul Matthew George, Cleveland  
 Ludmila Maria Gracanic, Cincinnati  
 James Wallace Guyton, Columbus  
 David Lee Hawk, Tiffin  
 Thomas Kennedy Hilbert, Worthington  
 Dennis Paul Karem, Stow  
 Nicholas Paul Kinkley, Columbus  
 Karen Lynn Langsenkamp, Columbus  
 Mary Joanne Leussing, Columbus  
 Frederick Evan Lutt, Cincinnati  
 Pamela Carol McDowell, Columbus  
 Alan Michael Meinert, Pittsburgh, Pa.  
 Patricia Joan Newshutz, Gallipolis  
 Robert Walling Oliphant, Knoxville, Tenn.  
 Clint Thomas Oster, South Euclid  
 Michael Thomas Osthof, Twinsburg  
 Deborah Jean Quinn, Middlefield  
 Bruce Allan Rudman, Columbus  
 James Michael Schiely, North Olmsted  
 John Kenneth Seavers, Dayton  
 Deborah Kempton Seilhamer, Columbus  
 Archie Claude Suttles, Juneau, Alaska  
 Nadia Szytec, Seven Hills  
 Richard Leon Twitchell, Columbus  
 David Michael Ulliman, Columbus  
 Joanna Elizabeth Villies, Minzo Junction  
 Jon Randal Walton, New Philadelphia  
 Stephen William Welter, Tiffin

## College of Law

Dean: James E. Meeks

### Juris Doctor

Kevin Roy Abrams, Williamsburg  
 B.A. (Amherst College)  
 Pamela Ann Addison, Cleveland  
 B.A. (Kenyon College)  
 Mark Francis Ahlers, Fort Loramie  
 B.S.Bus.Adm. (University of Dayton)  
 John Bernard Albers, II, Columbus  
 B.A. (Wake Forest)  
 Janenne Allen, Columbus  
 B.A.  
 Michael Robert Allison, Cleveland  
 A.B. (John Carroll University)  
 John Eric Andre, Columbus  
 B.A. (University of Chicago)  
 Gordon Allen Arnold, Columbus  
 B.A., M.A., M.C.R.P.  
 Christopher James Baer, Reynoldsburg  
 B.S.Bus.Adm.  
 Jennifer Maunsell Banks, Canal Winchester  
 B.F.A.

Richard Scott Bardine, Canton  
B.A. (The College of Wooster)

John Thomas Batchelder, Medina  
B.A. (Kenyon College)

Ralph Anthony Bauer, Columbus  
B.A.

Pamela Jane Bertram, Newark  
B.A.; B.A. (Miami University)

Catherine Elaine Blackburn, Columbus  
B.S. Pharmacy (University of Kentucky)

Mark Robert Blackmer, Honeoye, N. Y.  
B.A. (State University of New York at Buffalo)

Katherine Jean Bohn,  
Saint Clair Shores, Mich.  
B.G.S. (University of Michigan)

Vence Lee Bonham, Jr., Lansing, Mich.  
B.A. (Michigan State University)

Brenda Ann Born, Athens  
B.S.Ed. (Ohio University)

David Scott Borrer, Columbus  
B.A.

James Patrick Botti, Columbus  
B.A.

Bethany Rae Boyd, Portsmouth  
A.B. (Morehead State University)

Jeffrey Dean Boyd, Scio  
B.A. (Kent State University)

Mary Regina Brandt, Columbus  
B.A. (College of William and Mary)

Cynthia Kay Brockman, New Albany  
B.S.

James Wilmore Brown, Columbus  
B.A.

Glenn Jefferson Browne, Bowling Green  
A.B. (University of Michigan)

John Joseph Byrnes, Worthington  
B.S.Bus.Ad. (Georgetown University)

Kenneth Arthur Campbell, Columbus  
B.A.

Wanda Lees Carter, Columbus  
B.S. (Bowling Green State University);  
M.S.

Robert Louis Chagares, Cincinnati  
B.A. (Miami University)

Lynette Denise Chappell,  
Newport News, Va.  
B.S. (James Madison University)

Sandra Kay Cheshire, North Canton  
B.A. (Capital University)

Stephen Chu-Ling Chong, Berea  
B.A. (Calvin College)

David Bruce Clouston, Columbus  
B.S.; B.A.Jour.

Michael Francis Coady, Columbus  
B.S.Bus.Ad.; B.A.

Russell Andrew Cohen, Weston, Mass.  
A.B. (Vassar College)

Colleen Elizabeth Cook, Marietta  
B.A.

Robert Stack Corker, Chillicothe  
B.S. (Northwestern University)

William Henry Crawford, II, Flint, Mich.  
B.A.

Frank Phillip Darr, Columbus  
B.A. (University of Akron)

Denise Marie Dembinski, Columbus  
B.A.

Laura Beth Demetry, Birmingham, Mich.  
B.S. (Eastern Michigan University)

Thomas Joseph Doherty, Reynoldsburg  
A.B. (Holy Cross College)

Douglas Edward Duckett, Cincinnati  
B.A.

Patrick Joseph Dugan, Lima  
B.S.Bus.Ad. (Bowling Green State  
University)

Nancy Rae Edwards, Marietta  
B.A.

Steven Michael Emmert, Zanesville  
B.A.

Todd Robert Emoff, Dayton  
A.B.

Nicholas R. Emrick, Farmersville  
B.M.E. (General Motors Institute)

Thomas Keith Emswiler, Columbus  
B.A.

Kurt Erlenbach, New London  
A.B.

Thomas Anthony Ferris, East Palestine  
B.A. (Vanderbilt University)

Patrick Joseph Filan, Cincinnati  
A.B. (Duke University)

Michael Gerard Florez, Cincinnati  
B.S.Econ. (University of Pennsylvania)

Jeffrey Alan Ford, Ashtabula  
B.S.Ed.

Jeffrey E. Fort, Shelby  
B.S. (U.S. Naval Academy)

Sara Jo Foster, Columbus  
B.A.

Beth Anne Frailey, Philadelphia, Pa.  
B.A.Eng. (Case Western Reserve  
University)

Marlene Paula Frank, Columbus  
B.A.

Randolph Harry Freking, Cincinnati  
B.A. (University of Dayton)

Barbara Joy Fultz, Middleport  
B.S.Ed. (Ohio University)

Alice Lynn Gailey, Cincinnati  
A.B. (University of Michigan)

Colleen Ann Geraghty, Scituate, Mass.  
B.G.S. (Ohio University)

Louis Alan Goodman, Warren  
B.A.

Vera Zina Gorochow, Columbus  
B.S. (Saint John Fisher College)

Frederick Marvin Greenwood, III, Medina  
B.S.Bus.Ad. (Bowling Green State  
University)

Donald Wayne Gregory, Cincinnati  
B.A. (Miami University)

Jill Ann Griffin, Huntington, N. Y.  
B.A. (College of New Rochelle)

Lynn Bart Griffith, III, Warren  
A.B. (Earlham College)

Barbara Jean Gustafiero, Columbus  
B.A. (Lake Erie College for Women)

Theresa Gale Haire, Worthington  
B.A. (University of Virginia)

Kim Michele Halliburton, Columbus  
B.A. (Denison University)

Thomas Alva Hampton, Barnesville  
A.B. (Wilmington College)

Douglas J. Hart, Malvern  
B.A. (Ohio Northern University)

Robert Matthew Hart, Kent  
B.A. Sociology (Kent State University)

Jim Hasenfus, Hollywood, Calif.  
B.A. (Northwestern University)

Barbara Louise Hinske, Rocky River  
A.B. (Earlham College)

Joann Marie Hnat, Parma  
B.S.Bus.Ad.

G. Woodrow Holt, Lebanon  
B.B.A. (Ohio University)

Judith Lee Horn, Columbus  
B.A. (The College of Wooster)

Mary Beth Monica Houser, Youngstown  
A.B. (Youngstown State University)

Patrick Jonathan Janis, Richfield  
B.A. (Wittenberg University)

Joel Kermit Jensen, Hampton, Va.  
B.A. (University of Virginia)

Susan Nanette Jones, Barnesville  
B.A. (Muskingham College)

Leigh Anne Judd, Chardon  
B.A. (Hiram College)

Janice Arden Judge, Sylvania  
B.A.

Leora Ann Jump, Willard  
B.A.

Benita Ann Kahn, Akron  
B.A. (University of Akron)

Nicholas Nick Kallas, Lorain  
B.A., M.S.

David William Keller, Galion  
B.A.

Robert Stephen Kiss, Dayton  
B.A.

Donald Robert Knight, Utica, Mich.  
B.A. (Oakland University)

Janet Kay Kottman, Columbus  
B.A. (Miami University)



Dean Clinton Kowalchyk, Montgomery  
B.A. (University of Chicago)

Suzanne Melissa Kramer, Wheeling, W. Va.  
B.A. (Chatham College)

Mark David Landes, London  
B.A. (John Hopkins University)

Susan Kay Laughlin, Columbus  
B.A. Jour.

Donald Byron Leach, Jr., Columbus  
B.A. (Union College)

DeLois Toins Leapheart, Flint, Mich.  
A.B. (University of Michigan)

John Steven Lee, Reynoldsburg  
B.S. (Muskingum College)

Andrew Ray Leeper, Wooster  
B.A. (The College of Wooster)

William Joseph Leibold, Dayton  
B.A. (University of Dayton)

James Charles Lemay, Bay Village  
B.S.Bus.Adm. (Bowling Green State  
University)

David Kevin Liberati, Bellaire  
B.A. (Brown University)

David John Linesch, Dayton  
B.A.

William Lyle Loveland, Columbus  
B.A. (Denison University)

Anita Pope Lunn, Columbus  
A.B. (Antioch College)

James Michael Lyons, Akron  
B.S. (John Carroll University)

Steven Michael Magas, Mansfield  
B.A., B.S.Ed. (University of Cincinnati)

Richard Mancion, South Euclid  
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Bennett Alan Manning, East Lansing, Mich.  
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Werner LeRoy Margard, III, Worthington  
B.A. (College of William and Mary)

Gary Richard Martz, Toledo  
B.A. (University of Toledo)

Richard Edwin Mayhall, Springfield  
B.A. (Miami University)

Shelley Ann McBride, Mansfield  
B.A.

Gregory Louis McCann, Columbus  
B.A. (University of Notre Dame)

Robert Morse McNitt, Cincinnati  
A.B. (Stanford University)

David Harvey Meade, Akron  
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Stephen Wilson Meagher, Columbus  
B.A.

Jonathan Kirk Miller, Philadelphia, Pa.  
B.A. (Williams College)

Wayne Jeffrey Miller, Granada Hills, Calif.  
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Mark Jay Minsky, Ann Arbor, Mich.  
A.B. (University of Michigan)

Paul Frederick Moke, Wilmington  
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Douglas Scott Morgan, Columbus  
A.B. (Harvard University)

Glenn William Myers, Kentwood, Mich.  
A.B. (Ohio University)

James Gerard Neary, Toledo  
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Phyllis Stillpass Nedelman, Springfield  
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Thomas Harvey Nelson, Columbus  
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John David Oman, Findlay  
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Richard Wayne Pace, Columbus  
B.S.Soc.Wel.

Janice Ann Payt, Columbus  
B.A. (Miami University)

John Edmund Pembroke, Oberlin  
A.B. (Oberlin College)

William Shannon Pidcock, Albany  
A.B. (Ohio University)

Josephine Louise Piehowicz, St. Clairsville  
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Charles Sumner Plumb, III, Toledo  
B.A. Bus.Adm. (Southern Methodist  
University)

Stephen David Plymale, Columbus  
B.S.Ed.; M.A. (The University of New  
Mexico)

John Joseph Pomidor, Willoughby  
B.A. (The University of Chicago)

Lawrence Steven Press, Columbus  
B.A.

Theodora Marie Rand, Massillon  
B.A.

Yvonne Teresa Ranft, Columbus  
B.A.

Robert James Reynolds, Wooster  
B.A. (Wittenberg University)

Evelyn R. Robinson, Dixon Mills, Ala.  
B.S. (University of Monteballo)

Richard David Roggenkamp, Worthington  
B.S.Ed. (Miami University)

Paul Anthony Rose, Garfield Heights  
B.A. Jour. (University of Oklahoma)

Lee Scott Rosenthal, Columbus  
B.A.

John Charles Ross, Ashtabula  
A.B. (Ohio University)

David Fuller Rudwall, Dayton  
B.S. (The George Peabody College for  
Teachers of Vanderbilt University)

Peter Bingham Ruffing, Bellevue  
B.S. (John Carroll University)

Robert Kenneth Rupp, Streetsboro  
B.A. (Walsh College)

Susan Lynne Russell, Dayton  
B.A. (University of Dayton)

Bruce Steven Rutsky, University Heights  
A.B. (Indiana University)

Amelia Angela Salerno, Youngstown  
A.B. (Youngstown State University)

Melinda Lux Sales, Madeira  
B.A.

Michael Matthew Schmidt, Columbus  
B.S.Bus.Adm.

Theodore Thomas Schuld, Macedonia  
B.A. (Bowling Green State University)

Kathaleen Beth Schulte, Columbus  
B.A.

Kenneth Wayne Schutt, Jr.,  
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B.A. (Midland Lutheran College)

Dan Shaban, Mansfield  
B.A.

Susan Lee Simms, Columbus  
B.A. (Wittenberg University)

Mark Albert Sipek, Columbus  
B.A.

Marcia Teri Slotnick, Columbus  
A.B. (Indiana University)

Jill Anderson Smith, London  
B.S.Ed. (Drake University)

Michael Allan Smith, Belpre  
B.A. (Kenyon College)

Ronald Joseph Snyder, Columbus  
B.S.C.E.

Paul Howard Spaeth, Pepper Pike  
B.A. (Miami University)

Paul Stehura, Broadview Heights  
B.A. (Kent State University)

Matthew Lloyd Steimel, Hartville  
B.S.Bus. (Miami University)

Marti Dawn Stein, University Heights  
B.A. (Miami University)

Bruce Larry Stout, Bexley  
B.A.

Scott Forsbrey Sturges, Columbus  
B.A. (Ohio Wesleyan); M.A. (Miami  
University)

Gregory William Stype, Columbus  
B.A. (College of Wooster)

Roseanne Kennedy Sullivan, Columbus  
B.A.

Steven Scott Swartz, Upper Sandusky  
B.A. (Ohio Northern University)

Thomas Edmund Szykowny,  
Garfield Heights  
B.A. (Denison University)

Linda Selby Tableman, Transfer, Pa.  
B.A. (California State University)

Debra Riley Tabor, Chesapeake  
B.S. (Marshall University)

Dorothy Annette Robinson Tabron,  
Memphis, Tenn.  
B.S.Ed.

Anthony Richard Taylor, Huntsville  
B.A.

Carol Lynn Tenyak, St. Marys  
B.A. (Bowling Green State University)

Jack Carter Thomas, Canton  
B.S.C. (Ohio University)

Bruce Robert Thompson, Peru, Ind.  
B.S.Bus. (Indiana University)

Mark Steven Totten, Lancaster  
B.A. (Capital University)

Judith Derlacki Trail, Columbus  
B.A. (Miami University)

Julie Ann Van De Mark, Columbus  
B.A. (Miami University)

Peter Eric VanRunkle, Gambier  
B.A. (Kenyon College)

Timothy Joseph Vara, Mayfield  
B.A. (Brown University)

David Neil Ventker, Cincinnati  
B.A.

Therese Marie Verhoff, Leipsic  
B.A. (University of Dayton)

David Allen Wagner, Aliquippa, Pa.  
B.A. (Saint Vincent College)

Stephen Glenn Wagner, Loveland  
B.S. (Cornell University)

William John Wahof, Cincinnati  
B.A. (Miami University)

Stevon Marc Walk, Orange Village  
B.A. (Emory College)

Tamara Robin Warstler, Amherst  
B.A.

Gary Stephen Watson, Worthington  
B.S. (University of Michigan)

Laurie Ann Wayt, Cincinnati  
B.A. (University of Cincinnati)

Scott Benson West, Elyria  
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Susan Kathleen Whitsitt, Port Huron, Mich.  
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Diane Esta Williams, Canton  
B.A.

Mark Raymond Wilson, Kettering  
B.A. (Wright State University)

William Samuel Wilson, Circleville  
B.A.

Patricia Ann Woods, Fayetteville, N. Y.  
B.A. (Gettysburg College)

Thomas Harry Woolfter, Hartford  
A.B. (Cornell University)

Mary Alice Wortman, Athens  
A.B. (Mary Manse College)

Barbara Jean Wright, Columbus  
B.S.Bus. (Miami University)

Connie Marie Wymer, Toledo  
B.A.

## College of Medicine

Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

Steven Allen Abrams, Columbus  
B.S. (Massachusetts Institute of  
Technology)

Adele B. Ackell, Chagrin Falls  
B.A. (Ohio University)

Wallace Cobner Adamson, Warren  
B.A. (Miami University)

William Robert Ahrens, Toledo  
B.A. (Northwestern University)

Theodore Adam Allchip, Euclid  
B.A. (Northwestern University)

Michael Gregory Allison, Salem  
B.S. (Case Western Reserve University)

John Steven Alspaugh, Bay Village  
B.A. (Wake Forest University)

Clifford Livingston Amend, Youngstown  
B.A. (Oberlin College)

Alan Jon Annenberg, Middletown  
B.S. (University of Michigan)

Lawrence Carroll Ault, III, Columbus  
B.S., M.S. (Emory University)

James Phillip Bacon, London  
B.A. (Wittenberg University)

Martha Anne Bacon, Huntsville, Ala.  
B.S. (Wright State University)

Michael Charles Baehr, Bucyrus.  
B.S.

Linda Ellen Bailey, Beavercreek  
B.S., M.S. (Wright State University)

Keith Andrew Baker, Wooster  
B.S.

Michael Walter Ball, Bellevue  
B.S. (University of Notre Dame)

Lawrence Andrew Bartish, Cincinnati  
B.S. (Northwestern University)

Michael S. Beeson, Maineville  
B.A.

Randall Paul Bennett, Grove City  
B.S.

Craig Lawrence Bissinger, Cincinnati  
B.A. (Indiana University)

Daniel Arthur Breitenbach, Pepper Pike  
B.S. (University of Notre Dame)

Andrew James Britton, Mayfield  
B.S.

Donald George Bronn, Columbus  
B.A., M.S., Ph.D.

James Dominic Brue, South Charleston  
B.S.

Lawrence Paul Bruno, Oberlin  
B.S. (University of Cincinnati)

David Alan Brys, Mentor  
B.S. (Mount Union College)

Donald L. Bucklin, Chesterfield, Mo.  
B.S. (Miami University)

William G. Buoni, Columbus  
B.A.

John Jeffrey Burnich, Youngstown  
B.S. (University of Cincinnati)

John Raphael Burns, Chillicothe  
B.A. (Case Western Reserve University)

John Arthur Cheek, Columbus  
B.S., D.D.S.

Theodore John Cieslak, Brunswick  
B.S.

Paul Robert Conkling, Dayton  
B.A. (Dartmouth College)

Steven Eugene Connelly, Willowick  
B.S.

Thomas Mathew Coon, Port Clinton  
B.A. (Miami University)

Julie Lee Costello, Cincinnati  
B.S. (Xavier University)

Mark Robert Dahl, Garrettsville  
B.S. (Kent State University)

Eric Alan Davis, Aurora  
B.A. (Kent State University)

Jack Chris Davis, Cincinnati  
B.S. (Davidson College)

Gregory Harry Decker, Cincinnati  
B.A. (Saint Louis University)

Don Douglas Delcamp, Pleasant Hill  
B.S. (Wright State University)

Virginia K. de Verteuil, Columbus  
B.S.

William Garrett Dodds, Euclid  
B.S. (Calvin College)

Gary Paul Erdy, Columbus  
B.S.

Neal Erkes, Columbus  
B.S. (Miami University)

David Harry Fagin, Columbus  
B.A. (Miami University)

Cheryl Ann Fassler, Middletown  
B.S. (University of Notre Dame)

William Renner Finkelmeier, Celina  
B.S. (University of Cincinnati)

Marc Steven Flesher, University Heights  
B.S. (Emory University)

Nelson Bruce Freimer, Toledo  
B.A. (University of Pennsylvania)

Ric Scott Garrison, Chillicothe  
B.S. (Ohio University)

Alan Christopher Gatz, Shreve  
B.A. (Wittenberg University)

Noel Richard Gibson, Akron  
B.S. (Kent State University)

Michael Joseph Giuliani, Cincinnati  
B.S. (Tulane University)

Michael David Gold, Toledo  
B.S.

M. Jane Goleman, Columbus  
B.S.

David Dwight Goltra, Jr., Cincinnati  
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Kevin Joseph Grannan, Cincinnati  
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Mary Ann Sharon Peltz Gravenstein, Mayfield Heights  
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Roland Conard Griggs, Newark  
B.A. (Dartmouth College)

Michael Steven Grinblatt, Columbus  
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Peter George Gross, Forest Hills, N. Y.  
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Joseph Frederick Hamad, Cincinnati  
B.S. (Northwestern University)

Wesley Frank Hard, Columbus  
B.A. (Ohio Northern University)

James Edward Harper, Dayton  
B.S. (Wittenberg University)

Karen Ann Haught, Cuyahoga Falls  
B.S. (University of Cincinnati)

Stephen Douglas Haverkos, Cincinnati  
B.S. (University of Notre Dame)

Terresa Hawthorne, Columbus  
B.S.

Jeffrey Bryan Helwig, Brunswick  
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Steven Craig Hirsch, Shaker Heights  
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Timothy Lloyd Hodges, Cincinnati  
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John Robert Hollenbach, Ravenna  
B.S. (Kent State University)

Thomas Craig Holloway, Bowling Green  
B.S. (Bowling Green State University)

Kent C. Holtzmuller, Farmersville  
B.S. (University of Cincinnati)

Howard Wayne Hoyt, Wickliffe  
B.S. (Lehigh University)

David Storr Huckins, Fairfield  
B.S. (Michigan State University)

Steven Thomas Hugenberg, Cincinnati  
B.A. (University of Dayton)

John R. Jakubek, Campbell  
B.S. (Youngstown State University)

David Lawrence Jones, Lucasville  
B.S.

Charlotte Anne Kaplon, Rural Valley, Pa.  
B.S. (Wright State University)

James Douglas Kasten, Cleveland  
B.S. (Cleveland State University)

John David Kaurich, Columbus  
B.S. (University of Cincinnati)

Michael Paul Keller, Cincinnati  
B.S. (University of Cincinnati)

Richard Alan Kern, Parma Heights  
B.A. (Case Western Reserve University)

Nancy Louise King, Youngstown  
B.S. (College of William and Mary)

Tim Charles Kisabeth, Fostoria  
B.A. (Capital University)

Paul Anthony Klatte, Cincinnati  
B.S. (Xavier University)

Richard Alan Kucera, Brecksville  
B.A.

Rick Allen Kukulka, Walnut, Calif.  
B.A. (Case Western Reserve University)

Kristine Ann Kunesh-Part, Dayton  
B.S. (University of Notre Dame)

Joseph Lawrence La Rosa, Parma  
B.S. (Kent State University)

Michael Benjamin Lax, Cleveland  
B.A. (Oberlin College)

Jeffrey Park Leake, Worthington  
B.S.

Stephen Paul Lenehan, Akron  
B.S. (University of Akron)

George Scott Lewandowski, Toledo  
B.S. (John Carroll University)

Michael Darrell Lorton, Indianapolis, Ind.  
B.A. (Miami University); J.D. (Duke University)

David Jonathan Louis, Washington C. H.  
B.S.

Colleen Marie Lovelace, West Jefferson  
B.S., M.S.

Charles Edward Lowrey, Akron  
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Michael G. Lykens, Port Clinton  
B.S.

Robert Paul Lynch, Cincinnati  
B.S. (Xavier University)

Thomas Anthony Malone, Niles  
B.S. (John Carroll University)

Mark Andrew Manegold, Cincinnati  
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Elizabeth Quincy Manna, Washington, D. C.  
B.S.N. (Syracuse University)

John F. Marcinak, Struthers  
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Samuel Joseph Margiotta, Jr., Youngstown  
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Robert Aaron Marshall, Tiffin  
B.A. (University of Toledo)

Maurice Conrad Mast, Dalton  
B.S., B.A. (Ohio Northern University)

William Michael McCullough, Jr., Dayton  
B.S. (Denison University)

David Richard McFarland, Athens  
B.S., M.S. (Ohio University)

Michael David McGonigal, Cadiz  
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John Kurt Mehl, Succasunna, N. J.  
B.A. (Wittenberg University); M.S.

John Richard Meranda, Georgetown  
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Thomas Joseph Merle, Akron  
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Lori A. Meyer, Kettering  
B.S.

Yolanda Ann Mickevicius, Shaker Heights  
B.S. (John Carroll University)

Sharon Jean Mikol, Mentor  
B.S.

Gary Stanley Mirkin, Youngstown  
B.S.

William Frederick Miser, Mansfield  
B.S. (Wheaton College)

Janet Ann Mohr, Bryan  
B.S. (University of Toledo)

James Martin Molnar, Fountain Hills, Ariz.  
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James Richard Moore, Columbus  
B.A. (Cornell University)

Jeffrey Lee Moore, Akron  
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Rudolph James Mueller, Lakewood  
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Richard Louis Nemeec, Highland Heights  
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Mary Elizabeth Pagano, Oak Park, Ill.  
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Howard Mitchell Part, Englewood Cliffs, N. J.  
B.S. (Ohio University)

Cressa Kay Payne, Darien, Conn.  
B.S. (Marietta College)

Donald John Pellioni, Toledo  
B.A. (University of Toledo)

Laurence John Pezor, Jr., Upper Arlington  
B.S. (University of Southern California)

Joanne Louise Pizzino, Solon  
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Arden Clare Smith Pletzer, Toledo  
B.S. (Duke University)

David Peter Pletzer, Rootstown  
B.S. (Kent State University)

Ronald Bernard Pohlman, Maria Stein  
B.S. (University of Dayton)

Thomas Patrick Porter, St. Clairsville  
B.A. (Miami University)

William Bruce Povolny, North Olmsted  
B.A. (University of Toledo)

David Alan Price, South Euclid  
B.A. (Washington University)

José Antonio Ramirez-Borrell, Columbus  
B.S.

Richard Edward Ranchoff, Fairview Park  
B.S.

John Richard Raymond, Uniontown  
B.S.

Thomas Alan Repko, Northfield  
B.A. (Miami University)

Mary McCallum Robinson, Shaker Heights  
B.A. (Kenyon College)

Catherine Marie Rose, Kettering  
B.S. (The University of Dayton)

Russell Michael Rudy, Middleburg Heights  
B.S.

David Allen Ruedrich, Dayton  
B.A.

Kimberly Anne Seipel, Waterville  
B.S.

Charles Patterson Shields, III, Medina  
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Denise J. Slanczka Signs, Elyria  
B.S., M.S. (University of Dayton)

Judith Ellen Simon, Youngstown  
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Daniel Michael Slutzker, Dayton  
B.S. (Kent State University)

Patricia Ann Smethurst, Montpelier  
B.S. (Bowling Green State University)

Candace Lee Smith, Farmdale  
B.A.

Mark Allen Smith, Erie, Pa.  
B.S. (Pennsylvania State University)

Loretta Mae Smrtnik, Richmond Heights  
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Robert Paul Spittler, Alliance  
B.S. (University of Notre Dame)

Mary Ann Sprauer, Dayton  
B.S. (University of Dayton)

Larry Albert Stern, Marion  
B.S.

Michael Gerard Stiff, Perrysburg  
B.A. (University of Toledo)

Michael Robert Stock, Columbus  
B.S. (Kent State University)

Christine Marie Sullivan, Marion  
B.S. (Bowling Green State University)

Joan Toby Sumkin, Canton  
B.S. (University of Michigan)

Jeffrey Alan Summers, York, Pa.  
B.S. (Hobart College)

Thomas Arlin Swafford, Dayton  
B.S., M.S. (Wright State University)

Patricia Ann Sweeney, Toledo  
B.S.N. (University of Toledo)

Jay Michael Taylor, Cuyahoga Falls  
B.A. (Hiram College)

Timothy James Thress, Worthington  
B.S.

John Michael Thuney, Centerville  
B.S. (University of Cincinnati)

Allen Yiyen Tien, Columbus  
B.A.

Michael Christopher Townsend, Jr.,  
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B.S. (Xavier University)

Timothy Allen Treece, Dublin  
B.S.

John Francis Vago, Cuyahoga Falls  
B.S. (University of Cincinnati)

Arthur J. Vaughn, Dorchester, Mass.  
B.S. (University of Massachusetts);  
M.S. (Rutgers University)

Gregory Ray Vest, Dayton  
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William Edward Walsh, Jr., Hubbard  
B.A. (University of Cincinnati)

Sharon Elizabeth Washington,  
Kingston, N. Y.  
B.S. (Cornell University)

Douglas Phillips Webb, Cleveland  
B.A. (Middlebury College)

Janet Louise Wendeln, Kettering  
B.A. (University of Dayton)

Pamela Diane West, Springfield  
B.S. (Kent State University)

Gwynette Marschall Williams, Westerville  
B.S.

Marcia Lynne Williams, Uniontown  
B.S. (John Brown University)

Peter Jerome Wilson, Toledo  
D.V.M.

John W. Winzenread, Columbus  
B.A.

Jonathan D. Wright, Lima  
B.A. (Ohio Wesleyan University)

Kenneth Arden Yaussy, Willoughby  
B.A. (Ohio Northern University)

Joseph John Yohn, Columbus  
B.S.

Douglas Eugene Yunker, Elyria  
B.S. (Kent State University)

David Carl Zangmeister, Bellevue  
B.A. (Capital University)

Jack Alan Ziegler, Ashtabula  
B.S. (Eckerd College)

Gregory Stephen Zinni, Youngstown  
B.S. (University of Cincinnati)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Karen Sue Adams, Leesburg  
Mark Patrick Ansel, Columbus  
Cathern Ann Ashcraft, Newark

Sarah Lindsey Bear, Toledo  
Deborah Michelle Beljan, Wickliffe  
James Allen Benedict, Niles  
Dennis John Bilas, Youngstown  
Cynthia Kay Birney, Richmond  
Paul Patrick Braunlin, Dayton  
Deborah Dianne Brown, Alexandria  
Ronald Vincent Bucci, Steubenville  
Denise Ruama Burger, Golden, Colo.  
Ann Adams Huston Burk, Columbus  
Deborah Kay Carpenter, Toledo  
Julie Lee Cato, Fairborn  
Thomas Patrick Chickonowski, Struthers  
Daniel P. Clark, Worthington  
Terry Lynn Cobbs, Westerville  
B.S.

John Orville Connolly, Medina  
Michelle Phyllis Conti, Cleveland Heights  
Vonda Lee Cornett, Hamilton  
David Lee Cybulski, Winterville  
B.S. (College of Steubenville)  
Susan Lynn Daubenmire, Lancaster  
Darshan Marie DeVelvis, Marietta, Ga.  
Glenn Alan Dickmann, Columbus  
B.A. (Miami University)  
Ellen Elizabeth DiRutigliano, Solon  
David Michael Dixon, Columbus  
John Patrick Dolan, Newark  
Karen Marie Dorsten, Kettering  
Monique Bened Dubay, Columbus  
Mark Steven Dubinsky, Ravenna  
Mark Eldon Dumond, Columbus  
Kathleen Sue Edwards, Orrville  
Amira Teya El-Dabb, Kent  
Laura Ann Ellinger, West Jefferson  
Karen Sue Fedeshen, Hubbard  
LeAnn Joy Fenner, Columbus  
Kirsten Jean Fornell, Washington, D. C.  
Mary Margaret French, Andover  
Steven Jay Fried, Youngstown  
Sharon Ann Galonski, Macedonia  
Anne Beatrice Martin Gehres, Painesville  
Constance Marie Geraci, Cincinnati  
Katharine Sue Giesige, Holgate  
Diane Glezylz, Painesville  
Michelle Lynn Godfrey, Akron  
Sheldon Neil Gold, University Heights  
Karen Marie Cornell, Reynoldsburg  
Tricia Lynn Green, Fairlawn  
Janet Marie Guendelsberger, Sandusky  
Cynthia Ann Hall, Delaware  
Kimberly Jean Hamilton-Holmes, Columbus  
B.S. (University of Toledo)  
Barbara Clare Hayden, Cuyahoga Falls  
Carol Anne Helbling, New Philadelphia  
Beverly Ann Hoffman, Columbus  
Michal Lynn Hogan, Oak Harbor  
Cheryl Vilma Homan, Circleville  
Kari Lynn Horton, Canton  
Lynn Louise Hudak, Cleveland  
Carol Eileen Huffman, Willoughby  
Catherine Patricia Hughes, Columbus  
Shelly Kay Hykes, Canton  
Julie Marie Jaeger, Columbus  
Nadine Marie Jakim, Lima  
Kelly Ruth Johnson, Tallmadge  
Sandra Lynn Jones, Springfield  
Deanna Lynn Jurden, Delaware  
Jennifer Ann Jurey, Wadsworth  
Ann Kaye, Worthington  
Renee Ann Kazimer, Webster, N. Y.  
Jan Marie Keller, Galion  
Kathy Ann Kevelder, Fairfield  
Cynthia Jane Kittner, Marion  
Amy L. Klisz, Fremont  
Kathy Sue Koch, Cincinnati  
Kathleen Amy Kolb, Dayton  
Karen Ann Kraushar, Cincinnati

Linda Smith Lampton, Gahanna  
Miriam Ann Landau, Shaker Heights  
Christopher Herbert Logsdon, Westerville  
Jennifer Sue Lowe, Cincinnati  
Barbara Anne Madden, Kettering  
Jane Ellen Markel, Centerville  
Linda Wilkinson Markstein, Middletown  
Kathy Sue Marsh, West Carrollton  
John Joseph McCambridge, Chillicothe  
Shelley Lynn McGinnis, Cardington  
Amy Elizabeth McIntosh, Lakewood  
Shawn Lee McLaughlin, Fairborn  
James Thomas Micali, Lyndhurst  
Linda Marie Miller, Hudson  
Sheri Lynn Miller, Cincinnati  
Shelly Marie Mitchell, Johnstown  
Deborah Marie Modic, Chardon  
Vicki Lee Mullins, Columbus  
Lore Lei Musser, Columbus  
Lynne Marie Musto, Lima  
Patti Serr Neely, Columbus  
Julie Kay Niehm, Gallipolis  
John Edgar Nixon, Lebanon  
Kathryn O'Connor, Elyria  
Colleen Catherine O'Toole, Maumee  
Philip John Overholt, Columbus  
B.A. (Goshen College)  
Marilyn Beth Overhulse, Bowling Green  
Candace Lynn Palmer, Columbus  
Camille Pantano, Holmdel, N. J.  
Felecia Juanita Paras, Batesville, Ind.  
Sheryl Dawn Perkins, Dayton  
Gary Lee Persing, New Middletown  
Pamela Beth Petrich, Dayton  
René Marie Pezot, Worthington  
Marilu Pfieger, Worthington  
Marie Therese Pinto, Bombay, India  
Gina Marie Polas, Poland  
Paul Thomas Pompili, Jr., Warren  
Doris Ann Powell, Celina  
Gina Lynn Pressler, Galloway  
Julia Ann Redinbo, Sidney  
Pamela Jane Regula, Beach City  
Mary Ann Renda, Steubenville  
Jeri Elizabeth Richardson, Columbus  
Mary Kathleen Rickey, Springfield  
Shirley Ann Rose, Piqua  
Mary Jane Ruby, Hubbard  
Tammy Louise Rummer, Norton  
Patricia Joann Saluga, Cincinnati  
Debra Lee Schaengold, Cincinnati  
Michele Ann Scheufer, Mentor  
Catherine Lynn Schilling, Munroe Falls  
Thomas Alan Schlembach, Toledo  
B.S. (University of Toledo)  
Mark Michael Schmitz, Columbus  
Amy Louise Schneider, Circleville  
Rosita Adele Schreck, Hilliard  
Phillip Dale Scott, Orient  
Benjamin Sherman, Jr., Mentor  
Paul Damon Shinko, Cleveland  
Kathleen Mary Simecek, Solon  
Lisa Ann Sinko, Hudson  
Jeffrey Paul Sites, Cleveland  
Monica Beth Skeldon, Toledo  
Linda Ellen Sloan, Springboro  
Beverley Jane Smith, Buffalo, N. Y.  
Michaela Marie Smith,  
Rancho Palos Verdes, Calif.  
Renee Sue Smith, Shelby  
Trena Carmean Smith, Columbus  
Mary Joan Soltzes, Yorkville  
Karen Louise Sprague, North Olmsted  
Don Edward Starner, Heath  
Mary Anne Stepanek, South Euclid  
Kimberly Ann Suerer, West Chester  
Jean Marie Taguiani, Dayton  
Valerie Gale Tarter, Anderson, S. C.

David Charles Taylor, Worthington  
Lisa Anne Tomlin, Warren  
Cheryl Louise Toroian, Altoona, Pa.  
Laurel L. Tubman, Chagrin Falls  
Paul Russell Turner, Dayton  
B.S. (Wright State University)  
James Edward Vogel, II, Woodsfield  
June Ann Wamsley, Pomeroy  
Carolyn Jean Wasson, Canton  
Julie Ann Watkins,sylvania  
B.S.  
Carol Ann Welsh, Cincinnati  
Laura Ann Wendling, Dayton  
Peggy Jo Westover, Canton  
Suzette Jeanne Whetrow, Montpelier  
Lee Ann Whitely, Bellevue  
Richard Joseph Wickstrom, Worthington  
John William Wigger, Donnelsville  
Gena Lee Winn, Columbus  
Cynthia Marie Wood, Cincinnati  
Debra Ann Wuske, Massillon  
AnnMarie Catherine Ziga, Akron  
Lisa Marie Zook, Massillon

### **Certificate of Post Baccalaureate Circulation Technologist**

Robert Wayne Bolen, Warsaw  
B.S.  
Susan Katherine Farrell, Parma  
B.S.

### **Certificate of Post Baccalaureate Medical Technologist**

Robert William Taylor, Lima  
B.S.

### **Certificate of Study in Medical Communications**

Virginia Annette Shanaman Strawser,  
Columbus  
B.A.

### **Certificate of Study in Physical Therapy**

Benitha Eleanor Crowley, Little Hocking  
B.S. (Ohio University)  
Michael Kevin Huth, Kent  
B.S. (Kent State University)  
Gay Lynne Lugibihl, Youngstown  
B.S. (Bowling Green State University)  
Pamela Diane Roberts, Elyria  
B.A. (Bluffton College)  
Marianne Wilson, Columbus  
B.S.

### **School of Nursing**

#### **Bachelor of Science in Nursing**

Kimberly Bonita Adams, Paterson, N. J.  
Kimberly Alise Archer, Tipp City  
Lynn Ann Armstrong, Louisville  
Arneava Lynn Banks, Dayton

Kathleen Mary Bannon, Columbus  
Karen Lee Bartholow, Galena  
Nancie Mlakar Bechtel, Lorain  
Barbara Biss, Bedford  
Mary Rebecca Brell, Maumee  
Robin Diane Bruno, Hopedale  
Beth Hammons Buchler, Columbus  
Philip Damien Capretta, Columbus  
Kathryn Opatic Cardwell, Columbus  
Cynthia Gayle Carson, Greenfield  
Valerie Jean Cline, Amsterdam  
Linda Marie Coleman, Pickerington  
Gina Louise Connor, Columbus  
Jacqueline Renee Cronau, New Washington  
Cynthia Mary Curfman, Canton  
Cheryl Lynn Dadisman, Kettering  
Sally Renee Davis, Cleveland  
Diane Marie Dedow, Warren  
Tina Beck DeRosa, Mansfield  
Robin Jill Dewald, Mansfield  
Pamela Sue Dixon, Coshocton  
Michelle Aretta Douglass, Youngstown  
Jennifer Lee Dzwonezyk, Columbus  
Karen Lee Eckfeld, Kenton  
Ruth Ann Farthing, Columbus  
Kelly Jo Faulhaber, Zanesville  
Cheryl Lynn Ferrell, Minerva  
Jill Justine Fortin, Columbus  
Sue Ann Fox, Galion  
Margo Francis, Brooklyn  
Shelley Louise Franz, Jackson  
Sherry Lynn Gaffin, Lyndhurst  
Judith Marie Gardner, Youngstown  
Tina Marie Garrett, Alliance  
Kathy Ann Geopfert, Stow  
Becky Lynn Gibbins, Minford  
Mary Suzanne Gordon, Upper Arlington  
David Michael Graham, Ostrander  
Joni Ellen Grennan, Columbus  
Martha Sue Gross, Casstown  
Alison Ann Grubic, Lorain  
Barbara Hall, Columbus  
Terri Ann Harrington, Mansfield  
Mary Elizabeth Harvin, Columbus  
Vickie Sue Hatfield, Columbus  
Judith Marie Heeg, Columbus  
Laurel Lynn Hodson, Columbus  
Mark Shawn Holland, North Canton  
Jane Taylor Jarrell, Dayton  
Laura Leigh Johnson, Hillsboro  
Jerry Ivor Jones, Hillsboro  
Rebecca Lynn Jones, Chicago, Ill.  
Cynthia Lynn Jurcisin, Cleveland  
Laura Denise Keever, Columbus  
Kim Kelley, Columbus  
Sally Ann Kelly, Lancaster  
Jeffri Lynn Leach, Grove City  
Lori Inez Levitas, Cincinnati  
Christina June Lim, Richfield  
Liana Jean Lutz, Hudson  
Lisa Flora McCallum, Doylestown  
Kathleen Marie McCarthy, Springfield, Va.  
Mark David McCormick, Wadsworth  
Nanette Renee McEnroe, New Philadelphia  
Gail Ellen McLoda, Canal Winchester  
Catherine Louise Maiberger, Tiffin  
Jeanne Nelson Marshall, Moreland Hills  
Pamela Sue Martin, Circleville  
Jane Ellen Mauk, Lima  
Matthew Sylvan Mayer, Sandusky  
Beth Ann Metzger, Delphos  
Carma Jean Mills, Bloomingdale  
Lisa Cheryl Mines, Youngstown  
Patricia Ann Mitchell, Columbus  
Jane Lee Moff, Canfield  
Sharon L. Mullins, Akron  
Valerie Ann Murphy, Westfield Center  
Christi Kay Neal, Ironton  
Susan Jane Nosal, Bridgeport

Kathleen Alice Offenberger, Malvern  
 Barbara Donna Paliobagis, New Richmond  
 Luann Marie Perone, Worthington  
 Amy Louise Perttula, Shaker Heights  
 Amy Beth Pittman, Centerville  
 Lee Ann Polk, Dublin  
 Michele May Prewitt, Blanchester  
 Mary K. Pultz, Columbus  
 Curtis Arthur Ramsey, Mantua  
 Elfrieda Marie Rehlinger, Canfield  
 Amy Lynn Rosato, Columbus  
 Laura Sabo, Youngstown  
 Amy Offutt Schindler, Parma  
 Elizabeth Ann Schorpp, Brunswick  
 Pamela Marie Schultz, Cleveland  
 Jennifer Grace Sears, Miamisburg  
 Kyna Lynne Setson, Sidney  
 Gail Susan Shaeffer, North Olmsted  
 Colleen Marie Shealy, Tiro  
 Loretta June Shirer, Broadview Heights  
 Susan Estelle Small, Defiance  
 Stephanie Leah Solomon, South Euclid  
 Karen Louise Soltes, Cleveland  
 Michelle Denise Springer, Bath  
 Helen Erna Stehr, Ashtabula  
 Susan Jane Stieber, Brook Park  
 Susan Bernadette Tappan, Cleveland  
 Jennifer Lynne Todia, Strongsville  
 Teresa Ann Tomko, Lowellsville  
 Marsha Kay Tschop, Lyndhurst  
 Renee Lynn Uchino, Warren  
 Cathy Dee Updegraff, Columbus  
 Sonia Christine Vukovich, Youngstown  
 Dawn Marie Warehime, Wilmington  
 Lori Sue Wegner, South Holland, Ill.  
 Diane Evelyn Werner, Bellevue  
 Gwendolyn Elaine Wilson, Marion  
 Susan Lisa Wirth, Parma  
 Kathleen Ruth Wood, Cambridge  
 Jaclyn Ilene Yashon, Columbus  
 Karen Jo Yeary, Columbus

Magdalene Dawn Gaedtko Corbin, Columbus  
 B.S. (Ball State University)  
 Jack L. Ewan, Jr., Defiance  
 D. Douglas Friend, Troy  
 Lisa Ann Fulks, Canfield  
 Michael Patrick Gilliland, Columbus  
 B.S.  
 Robert J. Glosik, Seven Hills  
 William Joseph Guappone, Cincinnati  
 B.A. (University of Notre Dame)  
 Michael Bruce Gural, Fairborn  
 Joseph Allen Halabis, Newark  
 David Michael Hartenstein, Bloomville  
 Ted James Harvey, Lexington, Neb.  
 Robert Lee Holly, Grand Island, Neb.  
 Anna Kopelziw Hopkins, Columbus  
 Phillip Brian Jacobs, Springfield  
 Matthew Ernest Jones, Columbus  
 Gene F. Knapke, Minster  
 B.S.  
 Daniel S. Kretch, Beachwood  
 David Lee Kroninger, Gahanna  
 B.S., M.S.  
 Albert Raymond LaMotte,  
 Forest Lake, Minn.  
 B.A. (Concordia College)  
 Robert C. Layman, Toledo  
 B.A. (University of Toledo);  
 B.S.  
 Jonathan Dane Lucas, Portsmouth

\*Lawrence B. Shafer, Fairlawn  
 Trent Arthur Sponseller, Shelby  
 B.S. (Cleveland State University)  
 Eric Glenn Stocker, Worthington  
 Park Alan Studebaker, Dayton  
 B.S.  
 George D. Taylor, Hicksville  
 David William Timochko, Parma  
 B.S. (Bowling Green State University)  
 Thomas R. Truitt, Worthington  
 Mark G. Tufto, Northwood, N. D.  
 Sue Ellen Van Dootingh, Sandusky  
 B.S. (University of Toledo)  
 Jason C. Witters, Greenville  
 \* To be awarded Posthumously

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

James E. Acker, Oshkosh, Neb.  
 B.S. (University of Nebraska—Lincoln)  
 Laird Douglas Ackerson, Columbus  
 B.S.  
 Cindy Francis Ahern, Lancaster  
 B.S.  
 Sandra Williams Anderson, Westerville  
 Randall Irvin Baughman, Cincinnati  
 Mark Edward Berger, Maumee  
 Peter William Bickel, Columbus  
 B.S.  
 Rhonda Diane Bronston, Springfield  
 Jeffrey J. Capelle, Willard  
 George Michael Chioran, Solon  
 Gregory L. Coburn, New Boston  
 B.S.  
 Kevin L. Colopy, Zanesville

Tina Cirino Martin, Whitehouse  
 James Robert Maul, Mansfield  
 B.S.  
 Brett Dennis McVey, Findlay  
 B.S. (Bowling Green State University)  
 Thomas J. Moore, Cedar Rapids, Ia.  
 B.S. (Marquette University); M.S.  
 Kathleen A. Murphy, Newark  
 B.A. (Miami University)  
 Ronald A. Pycraft, Wellington  
 B.A. (Wilmington College)  
 Susan Gibson Quinn, Warren  
 Cheryl Janise Reed, Akron  
 B.S. (University of Akron)  
 Timothy Edward Reineck, Fremont  
 B.S.  
 Karen Angela Riccio, Columbus  
 James C. Robinson, Waterville  
 Victor Mark Rosen, Lorain  
 B.S.  
 Robert Stearns Russell, Bexley  
 B.A. (Plattsburgh State University,  
 SUNY)  
 Beth Leigh Savage, Chesterland  
 John David Seng, Dover

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Patricia Erin Barnett, Columbus  
 Jeffrey Paul Bonner, Mt. Vernon  
 Mary Jo Bosu, Willowick  
 Cynthia Lou Burns, Solon  
 Carolyn Butkiewicz, Cleveland  
 Gwenda Gay Christian, Oak Hill  
 Peter Dixon Clouse, Columbus  
 B.S. (University of Toledo)  
 Douglas Lee Cotsamire, Ada  
 Mary Ellen Denz, Newark  
 Mary-Catherine Anne Devlin, Youngstown  
 Susan Jean Diefenthaler, Walbridge  
 Jean Cecilia Drexler, Akron  
 Mary Patricia Fayen, Lakewood  
 Mary Beth Fedeshen, Hubbard  
 Gary Francis Galletta, Struthers  
 John Michael Gnatowski, Brooklyn Heights  
 Fred Douglas Hensley, Columbus  
 B.A. (Miami University)  
 William David Hipp, Lebanon  
 Donald Rees Hughes, McDonald  
 Linda Sue Johnson, Logan  
 William Andrew Kasper, Ravenna  
 Sheila Eileen Kerr, Canton  
 Lynne Ellen Kimura, Euclid  
 Thomas Alan Kocarek, Painesville  
 Gerald Lee Kremer, St. Henry  
 Charles Jordan Lawrence, Akron  
 B.S. (University of Akron)  
 Ernest John Lee, Pickerington  
 B.S. (Ohio University)  
 Nicholas Libertin, II, Campbell  
 Dale Jay Linebaugh, Columbus  
 Richard James Loesser, Tiffin  
 Scot Alan Lovejoy, Montclair, N. J.  
 B.S. (Montclair State College)  
 Christy Lynn Madison, East Liverpool  
 Joseph Henry Mayer, Wadsworth  
 Jay Stuart McCauley, Georgetown  
 Mary Beth McClelland, Chardon  
 Susan Mendiola, Ravenna  
 Walter Adam Mendyka, Westlake  
 B.S.  
 Karen Lynne Meyer, Bryan

Marcia Ann Mohrfield, Cincinnati  
 Tamara Lynn Olenchuk, Parma  
 Soon Mi Park, Columbus  
 Neena Bhagwanjibhai Patel, Gahanna  
 Rebecca Anne Pint, Akron  
 Elizabeth Ann Pressler, Barberton  
 Mary Elizabeth Rayburn, Niles  
 Theodore Anthony Ridings, West Chester  
 Sharon Louise Rocca, Zanesville  
 Mary Josephine Ryba, Lower Burrell, Pa.  
 Karen Marie Sewalk, Coshocton  
 Robert William Shasteen, Washington C. H.  
 Jeffrey Alan Slavkovsky, Youngstown  
 Jeffrey Frank Staric, West Chester  
 William Frank Staric, Columbus  
 David John Vistein, Independence  
 Mark Anthony Wernery, Reading  
 David Andrew White, McDonald  
 B.S. (Baldwin-Wallace College)  
 Linda Kay Wilson, Zanesville  
 Christine Marie Woltman, Canton  
 Mary Kathleen Wylie, Oil City, Pa.  
 Daniel Michael Wynarsky, Parma

Katheryn Marie Houston, Youngstown  
 Cathleen Huner, Wauseon  
 Mary Sylvia Hyde, Warren  
 Blanche Arlene Jackson, Cleveland  
 Mary Margaret Jurco, North Ridgeville  
 Laura Kagy, Bloomville  
 Christine Lee Kidwell, Columbus  
 KimberLee Kinney, Bellefontaine  
 Suzanne Jeanette Krekler-McClelland,  
 Columbus  
 Betty Anne LaRosa, Parma  
 Suzanne Marie LeMay-Hibinger,  
 Reynoldsburg  
 Karen Anne Lowe, Mentor  
 Sarah Ann Luken, Columbus  
 Jacquelyn Kay McFadden, Monroeville  
 Judith Ann McLain-Porter, Parma  
 Helen Claire McNamara, Mansfield  
 Judy Ann Manfred, Steubenville  
 Monica Mang, Westlake  
 Karen Ann Meyer, Bellevue  
 Rebecca Ann Mobley, Cambridge  
 Margaret Mary Mumaw,  
 Orlando, Florida  
 Peggy Lynne Myers, Columbus  
 Patricia Newman, Worthington  
 Margaret Ann Niese, Miller City  
 Teresa Dawn O'Dell, Springfield  
 Joy Chinyere Odor, Lagos, Nigeria  
 Diane Louise Peacock, Cincinnati  
 James S. Petroff, Jr., Mansfield  
 Marie H. Philips, Springfield  
 Diana Lynn Pocock, Louisville  
 Peter Norman Prewett, Columbus  
 Alyson Ramsay, Bucyrus  
 Cindy Rathbun, Vermilion  
 Robin Jeanette Rau, Worthington  
 Jeri Joan Redding, Columbus  
 Heidi Jean Reichenbach, Kent  
 Donald Lewis Rhoades, Westerville  
 Frances Lee Robbins, Marion  
 Beverly Denise Robinson, Cleveland  
 Roger Lyle Runser, Lima  
 Marion S. Sabados, Mayfield Heights  
 Scott David Schlachter, Cleveland Heights  
 Megan Anne Schneider, Columbus  
 Alice Suzanne Scott, Columbus  
 Nancy Louise Scott, Ashtabula  
 Paula Georgette Shearer, Jeromesville  
 Amy Beth Sherman, Columbus  
 Connie Lynn Sowers, Cincinnati  
 William John Squirie, Niles  
 Thomas Joseph Stacho, Cleveland  
 Diane Mary Stroemple, Strongsville  
 Nanette Simonne Super, Strongsville  
 Marcella Lyn Sutherland, Aurora  
 Tina Lynn Szmania, Toledo  
 Sheryl Ann Trone, Worthington  
 Amy Lynne Tucker, Springboro  
 Cynthia Lee Weaver, Mentor  
 Paula S. West, Beaver Creek  
 Kim Marie Williams, Waterville  
 Matilda Woods, Coshocton  
 Elizabeth Ann Yocum, Dayton

## College of Veterinary Medicine

Dean: Ronald A. Wright

### Doctor of Veterinary Medicine

Nancy Fay Adams, Walton, Ky.  
 Ronald Carl Anders, Columbus  
 B.S.  
 Scott Karl Andersen, Upper Marlboro, Md.  
 B.S. (University of Maryland)  
 Elaine Mary Arsenaunt, Concord, N. H.  
 B.S. (University of New Hampshire)  
 Gary Gene Beall, Dayton  
 B.S.  
 Kathy Joanne Bennett, Ft. Washington, Md.  
 B.S. (University of Maryland)  
 Sherry Lorraine Billett, Wildwood, N. J.  
 B.A. (Wittenberg University)  
 Joy Faith Bishop, Columbus  
 B.S.  
 Warren Linn Black, Hebron  
 B.S.  
 Christopher Reid Blausler, Tipp City  
 B.S.  
 John Edward Bohl, Sardinia  
 B.S.  
 Jeanne Bradford Bonham, Cincinnati  
 B.S.  
 Neil Bert Bonham, Cleveland  
 B.S.  
 Diana Laver Bowman, Columbus  
 B.S.; B.S. (Miami University)  
 Randi Diane Brannan, Toledo  
 B.S. (University of Toledo)  
 Jeffrey Allen Buchs, Amherst  
 B.S.  
 Paul Wilson Buck, Columbus  
 B.S.  
 Jeff Eugene Byers, Loudonville  
 B.S.  
 Amy Ruth Campbell, Arlington, Va.  
 B.S. (University of Maryland)  
 Richard Harvey Carstensen, Martin  
 B.S.  
 Julia Louise Carter, Winston-Salem, N. C.  
 B.S. (North Carolina State University)  
 Grace I-May Chang, Columbus  
 B.S.  
 Juanna Sung-Kuen Chin, Columbus  
 B.S. (Northwestern University)  
 Mark Anthony Christine, Middlefield  
 B.S.  
 Leslie Kasdorf Cramer, Columbus  
 B.S. (University of Illinois)  
 John Robert Cummins, Lexington, Ky.

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Beverly Adelman, Cleveland  
 Joseph P. Armstrong, Columbus  
 Rebecca Suzanne Bagby, Columbus  
 Walter Dean Berry, Findlay  
 Lea Ann Blair, Pataaskala  
 Pamela Ann Brodnik, Solon  
 Amy Lou Chestnutwood, Lodi  
 Carla Frances Cimoroni, Beachwood  
 Deborah Lee Claggett, Delaware  
 Kim Marie Connolly, Pollock Pines, Calif.  
 Janet Anne Cool, Republic  
 Karen Sue Cooper, Westerville  
 Jill Mae Coy, Greenwich  
 Lisa Marie Cross, Continental  
 Julia Cruz, Lorain  
 Edelina Sue Damron, Galena  
 Linda Ann Davey, Delphos  
 Victoria Lynn DeMatteis, Columbus  
 Linda Dicker, South Euclid  
 Deneen De Donough, Fostoria  
 Anne M. Donohoe, Lyndhurst  
 Drinda Kay Dye, Wooster  
 Wendy Elaine Finger, Aurora  
 Sally Jean Foeller, Columbus  
 Carrie Sue Foster, Columbus  
 Robin Lea Foulk, Worthington  
 Pamela Irene Frank, West Chester  
 Marjorie Lynne Frazier, Newark  
 Michael Robert Futtty, Mansfield  
 Rochelle LeAnn Gardner, Westerville  
 Jill Diane Getrost, Coco, Fla.  
 Anita Marie Gosnell, Reynoldsburg  
 Cynthia Louise Graffius, Canfield  
 Patricia Louise Gray, Columbus  
 Maurita Victoria Hackett, Wilmette, Ill.  
 Marilyn Kay Hall, Newark  
 Nancy Susan Hammer, Beachwood  
 Jon Thomas Hapanowicz, Cuyahoga Falls  
 Susan Marie Hawley, Silver Lake  
 Margaret Ann Haynes, Centerville  
 Carolyn Marie Hirzel  
 Karla S. Hockenberger, Toledo  
 Deborah Lee Hoepfer, Reading

Leighann Daristotle, Fairmont, W. Va.  
B.S. (West Virginia University)

James Joseph Dasbach, Columbus  
B.S.

Barbara Constance Day, Brecksville  
B.S.

Frederick John Diedrich, III, Columbus

Thomas Edward Dorr, Cincinnati

Ellen Emily Dryer, Cincinnati  
B.A. (Miami University)

Daryl Gene Easley, Paris, Ky.

David Scott Eble, Euclid  
B.S. (Cleveland State University)

Thomas John Fatora, Parkersburg, W. Va.  
B.S. (West Virginia University)

Deborah Ann Ford, Galloway  
B.S.

Kirk Wesley Forrest, Tiffin  
B.S.

Ellen Sue Foster, Dayton

Glenn Robert Frank, Cincinnati

Lisa Marie Fulton, Toledo  
B.A. (Miami University)

Mark Alan Gearhart, Edon  
B.S. (Ohio University)

Chris Wellen Gilbert, Greenville  
B.S.

Pamela Fisher Goehring, Canton  
B.S.

Robert Zell Goodman, Cleveland Heights  
A.B. (Miami University); M.Sc.

Dwain Keith Gorby, Jr., Fairborn  
B.S.

Kelly Ray Grant, West Carrollton

Charlie Wagner Green, Lancaster  
B.S.

Samuel Lee Groseclose, Welch, W. Va.  
B.S. (Hampden-Sydney College)

Mary Lynn Gullledge, Morven, N. C.

Mark Paul Haverkos, Loveland  
B.S. (University of Dayton)

Eleanor Carroll Hawkins, Pasadena, Md.  
B.S. (University of Maryland)

Jeffrey Russell Hayes, Cleveland  
B.A. (Augustana College)

Mary Katherine Hazelton, North Olmsted

Lowell Mark Hedges, Prospect

Barry Allen Heineke, Highland Heights, Ky.  
B.S. (Northern Kentucky University)

Laura Amelia Hirt, Fremont  
B.S.

Hannah Marie Hitesman, Hopewell, N. J.

Melinda Decker Holland, Lancaster  
B.S.

Christine Marie Howard, Franklin  
B.S. (University of Kentucky)

Melanie Iona Hull, Galion  
B.S.

Paul Joseph Hunter, Wilmington  
B.S.

Amir N. Izad, Akron  
B.S. (University of Akron)

Sherman Wessel Jack, Takoma Park, Md.  
B.S. (University of Maryland)

Judith Sheridan Jackwood, Bel Air, Md.  
B.S. (University of Delaware)

Pamela Ann Jaffke, Toledo  
B.S.

David James Jasko, Avon Lake  
B.S.

Seth Aron Kaplow, Tenafly, N. J.  
B.S. (Kent State University)

Craig Kelleher, North Hampton, N. H.  
B.S. (Michigan State University)

Mark Sherman Ketner, Bowling Green  
B.S.

Holly Ann Koenig, Garfield Heights  
B.S. (Cleveland State University)

Timothy Leland Kolb, Fairborn

Brian Scott Kraushar, Cincinnati  
B.S.

David Lee Krugh, Ohio City

Jean Guard Lewis, Raleigh, N. C.  
B.S. (North Carolina State University)

Kurtis Dale Liljeberg, Cleveland  
B.S.

Scott William Line, Findlay  
B.S.

Brenda Isabel Long, Columbus  
B.S. (St. Lawrence University)

Deborah Susan Lutz, Lima  
A.B. (Miami University)

John Charles Lutz, Lima  
A.B. (Miami University)

Valorie Sheets Mackey, Gallipolis  
A.S. (Rio Grande College); B.S.

Fred Anthony Mann, Ashland, Ky.  
A.A.S. (Morehead State University)

Michael Adam Martello, Steubenville  
B.S., M.S.

Richard Edward Martin, Newark  
B.S.

Camille Jeanne McArdle, San Diego, Calif.

Stephen August McMullen, Hamilton

Debra Susan McVey, Haw River, N. C.

Christopher Bryan Meehl, Lynnfield, Mass.  
B.S.

Charles Frederick Morris, Dayton  
B.S., M.Sc. (Wright State University)

Carl David Morrison, III, Paris, Ky.  
B.S. (Centre College)

Carol Jayne Osborne, Columbus  
B.S.

Mary Rippey O'Shaughnessy, Kennebunk, Me.  
B.S. (University of New Hampshire)

Thomas James Paisley, III, Ashtabula  
B.S. (Hillsdale College)

Chester David Paluchowski, Piscataway, N. J.

Richard Francis Papp, Jr., Warren  
B.S.

John Thomas Payne, Newport News, Va.

Jeff Alan Poland, Coshocton

William Donald Pratt, Endicott, N. Y.  
A.A.S. (Alfred State College); B.S. (Cornell University); M.S.

William Joseph Reagan, South Euclid

Timothy James Rice, Cleveland  
B.S.

Peter James Richie, Columbus  
B.S. (University of Maine); M.S.

Jeffery Alan Richman, Beachwood  
B.S.

Beverly Louise Roeder, Newark  
B.A. (Wittenberg University)

Joseph Michael Romano, Clarksburg, W. Va.

Dominique Marcelle Rouvet, Columbus  
B.S. (Rutgers University); M.S.

Susan Marie Saliga, Rahway, N. J.  
B.S. (Cook College)

Craig Francis Sarver, Marietta  
B.S.

Joletta Marie Sberna, Bellevue  
B.S.

Alice Beth Schottenstein, Columbus  
B.S., M.S.S.A. (Case Western Reserve University)

Allan Wallace Schulze, West Chester  
B.S.

Paul Allen Schwartz, Norwalk  
B.S.

Primrose Anne Sedmak, Cincinnati  
B.S. (Wright State University)

Jeffrey David Shafer, Columbus

Thomas Malcolm Sherwood, Richmond Heights

Michael Glenn Shields, Curtice  
B.S. (Bowling Green State University)

Larry Alan Slezniak, Milford, N. J.  
B.S. (Delaware Valley College)

James Theodore Southard, Jr., Toledo  
B.S. (Washington and Lee University)

Carolyn Primuth Standen, Cleveland Heights; B.S.

Paul Richard Stephenson, South Euclid  
B.S. (Cleveland State University)

Edwin John Stone, Marion, Va.

Robert Lynn Stottlemeyer, Columbus

Steven Grant Stratemeyer, Cincinnati  
B.S. (University of Cincinnati)



Steven Patrick Tancred, Dayton  
B.S. (Wilmington College)

John Alfred Thomas, Rocky River

Josie Christine Thompson, Colerain, N. C.  
B.S. (North Carolina State University)

Mary Elizabeth Torrence,  
Charleston, W. Va.  
B.S. (West Virginia University)

Donna Elaine Truesdell, Cherry Hill, N. J.

Patricia Ann Tucker, Alliance  
B.S.

David Michael Tunder, Seven Hills  
B.S.

Helen Florence Wadsworth, Ahoskie, N. C.  
B.S. (North Carolina State University)

Wendy Adams Ware, Columbus  
B. Music (Westminster Choir College)

Neal Wilbert Westgerdes, Coldwater  
B.S.

Craig Kent Whittington, Newell, W. Va.  
B.S. (Fairmont State College);  
B.S. (West Virginia University)

Douglas Edward Wiley, Canfield  
B.S.

Jeffrey Lee Williams, Greensburg  
B.S.

David John Wilson, Milwaukee, Wis.

Barbara Ann Wolfman, Akron  
B.S.

Jeffrey David Wyatt, Cincinnati  
B.S.

Donna Marie Wyman, Quincy, Mass.  
B.S.

William Michael Yost, Camden  
B.S. (Berea College);  
M.Sc. (Iowa State University)

William John Zingalie, Brecksville  
B.S. (Case Western Reserve University)

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences). **Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

**With Distinction in Agricultural Economics**

Gregory Lee Sharp  
Jon Gregory Squires

**With Distinction in Animal Science**

Sean Patrick Kelleher  
Marcia Ann Lenox

**With Distinction in Biochemistry**

Damian Banaszak

**With Distinction in Electrical Engineering**

Shawn Pleasants

**With Distinction in Environmental Communications**

Mary Kim Raderstorf

**With Distinction in Environmental Education**

Brent Joseph Devitt

**With Distinction in Forest Resource Management**

Mark Francis Golitz

**With Distinction in Health and Demography**

Jane Anne Dunham

**With Distinction in History**

David Howard Steigerwald

**With Distinction in Home Economics Education**

Lynne Degler Hall  
Tami Lea Bunnell

**With Distinction in Home Management and Housing**

Pamela Jean Gordon

**With Distinction in Horticulture**

Thomas Clyde Waters  
Neill Theodore Welch

**With Distinction in Human Nutrition and Food Management**

Robyn Amy Meizlish

**With Distinction in Pharmacy**

Scot Alan Lovejoy

**With Distinction in Physical Therapy**

Carol Eileen Huffman

**With Distinction in Political Science**

Joan Laura Carlin  
Simon Paul St. John Harter

**With distinction in Political Science**

Michael James Huerkamp

**With Distinction in Psychology**

Catherine Suzanne Garrett

**With Distinction in Wildlife Management**

Judi Beth Kerrigan

**With Distinction in Zoology**

Donna Ann Dewhurst

**With Distinction in Black Studies and with Honors in the Liberal Arts**

Rebeka Lucy Maples

**With Distinction in Chinese and with Honors in the Liberal Arts**

Bradley Lewis Tindall

**With Distinction in Economics and with Honors in the Liberal Arts**

Eric Andrew Freeland

**With Distinction in Environmental Biology and with Honors in the Liberal Arts**

Joseph Gerard Leahy

**With Distinction in Physics and with Honors in the Liberal Arts**

Mitchell Gregg Roe

**With Distinction in Psychology and  
with Honors in the Liberal Arts**

Allison M. Oprandi

**With Honors in the Liberal Arts**

Ted Allen Beitelchees  
MaryEllen Bigler  
Christie Lynn Bishop  
David Brent Brown  
Anne Marie Kovalchuk  
Susan Diane Kraner  
Bradley Legan Kunz  
Laura Ann Lander  
Kathryn Ruth McCarron  
Gary Neer  
Regina Ellen Quinn  
Martha Sajatovic  
Ann-Marie Juanita Sarabia  
Cynthia Kay Sites  
Janet Patricia Steensen  
Daniel Jeffrey Wilson  
Thomas Michael Wood  
Mark Andrew Youngkin

**Cum Laude**

Paul Brent Abramson  
Kimberly Marie Adams  
Ronald R. Ahrens  
Lisa Ruth Akers  
Diane Elizabeth Albert  
Jennifer L. Allemang  
John Steven Alspaugh  
Jennifer Irene Anlin  
Suzanne Jean Andes  
Kelly Cole Anspaugh  
Martin Lee Appleton  
Robert Francis Arey, Jr.  
Shawn Renee Armstrong  
Cindy Sue Arndt  
Elaine Mary Arsenault  
Erick Eugene Baer  
Kevin Charles Baun  
Kathy Joanne Bennett  
Gary S. Besancon  
Dale Joseph Block  
James Leo Brand  
Joanne Marie Brosmer  
Patricia Louise Brown  
William Andrew Brown  
Laura Ann Busby  
Susan Marie Buttress  
Cynthia Gale Carson  
Andrea L. Ceisler  
Gwenda Gay Christian  
Virginia Cassidy Christman  
Sarah Howland Clark  
Kevin Lee Colopy  
Robert B. Conklin  
Paul Robert Conkling  
Rebecca Ann Cook  
Brenda Kay Cooperrider  
Mark Thomas Corroto  
Leighann Daristotle  
Gary Henry DiBlasio  
William Garrett Dodds  
Thomas Edward Dorr  
Cheryl Lynn Dorsey  
Karen Marie Dorsten  
Andrew Calvin Downing  
Jody Ann Drewes  
Vicki Linn Driggs  
Colleen Marie Durbin  
Daryl Gene Easley  
Karon Lee Eckfeld

Richard Allen Erickson  
Diane Sheri Faridad  
Cheryl Ann Fassler  
Matthew Dale Feikes  
Kim Darcel Fleming  
Barbara Ann Florence  
Sally Jean Foeller  
Marjorie Lynne Frazier  
David Howard Freund  
David Douglas Friend  
Lisa Marie Fulton  
Ronald Jay Gaines  
Rochelle LeAnn Gardner  
Steven Anthony Gedeon  
Emily Sue Geesy  
Ann Beatrice Martin Gehres  
Jill Diane Getrost  
Amy Elizabeth Glosch  
David Dwight Goltra, Jr.  
Phyllis Marie Goodwine-Bradley  
Ludmila Maria Gracanic  
Janet Marie Guendelsberger  
Douglas Edward Hall  
Scott Edward Hanson  
Wesley Frank Hard  
Kevin Paul Hardman  
Kerri June Hart  
Linda Elizabeth Hatch  
Eleanor Carroll Hawkins  
Christine Jean Helser  
Bradley Collins Hiner  
Kimberly Diane Horton  
Diana Marie House  
Amelia Louise Howard  
Howard Wayne Hoyt  
Steven Thomas Hugenberg  
Tracy Lynn Hull  
Debbie Lynn Huntley  
John Mark Hyde  
Daniel Ebling Jackson  
Jeannette Crum Jones  
Timothy Allen Jones  
James Alan Jungles  
Pauline Ann Kaltenbach  
Susan Marie Kaminski  
Ann Kaye  
Patrick Joseph Kelley  
Susan Camille Kersell  
Quincey Atterberry Kiracofe  
Amy L. Klisz  
Holly Ann Koenig  
Chris Scott Kogge  
Linda Lee Kohl  
Gerald Lee Kremer  
Marvin Lionel Krieg  
Cherie Jane Kuhn  
Kristine Ann Kunesh-Part  
Linda Smith Lampton  
Gina Maureen Lee  
Mun Keung Leung  
Sarah Ann Levinson  
Nicholas Libertain, II  
Robert Nathan Lindeman  
Margaret Ann Colleen Lindner  
Christina S. Lockett  
Thomas Lombardo  
John Hayes Ludwig  
Liana Jean Lutz  
Therese Marie Malone  
John Anthony Marazza  
John Francis Marcinak  
Beth Ann Martin  
Kathleen Dolours Martin  
John Andrew Maul, Jr.  
Bernard Francis McArdle

Nanette Renee McEnroe  
David Richard McFarland  
Hunter Alvin McGeary  
Jane Schlemmer Mellick  
Margery Mendicino  
Susan Mendiola  
Lynn Ann Meyers  
Martin William Mielke  
Paul Anthony Miggins  
Christine Ann Miller  
Jeffrey Stuart Miller  
William Frederick Miser  
Deborah Sue Mohr  
James Martin Molnar  
Thomas Joseph Moore  
Carl David Morrison, III  
Chester Warren Murphy, III  
Julie G. Murphy  
Laura Anne Mutchler  
Thomas John Nau  
Carolyn Ann Nosik  
Robert Walling Oliphant  
Patricia Lynn Olvera  
Douglas Eugene Parsell  
Luann Marie Perone  
Barbara Jane Pfeiffer  
Marilu Pflieger  
Carol Jean Poling  
Maria Pulice  
Carol Jean Purcell  
Susan Marie Pyle  
Donna St. Clair Radcliff  
Kenneth Earl Ramsey  
John Richard Raymond  
Caroline Anne Rayner  
William Joseph Reagan  
Cheryl Janise Reed  
Robert Lester Reid  
Alan Dale Reinbolt  
Graydon Alan Reitz  
Sally Ann Revering  
Russell David Richardson  
Mary E. Rigali Riepenhoff  
Frances Lee Robbins  
David Alan Robinson  
Ronald Gene Robinson  
Joseph Michael Romano  
Gregory Elwood Rose  
Janet Sue Ross  
Thomas Kostas Rosvanis  
Gregory Eric Rowan  
Sean Michael Saccocio  
Mark Alan Salisbury  
David Allen Schlaifer  
Vicki Ann Schmitt  
Elizabeth Ann Schorpp  
Brenda Sue Schult  
Joan Guzzi Schwab  
Randall Scott Schwartz  
Mary Jill Selke  
Teri Lynn Shackelton  
Susan Marie Shanahan  
Haven Clark Shelton  
Sharon McLaughlin Shemenski  
Joanne Marie Sheppard  
Leonard Saul Shutzberg  
Susan Elaine Sigler  
Teresa René Simpson  
Julie Lynn Slaughterbeck  
Daniel Michael Slutzker  
Susan Estelle Small  
Mark Allen Smith  
Mark Warren Smith  
Glenn David Southwick  
Trent Arthur Sponseller  
John M. Stanton  
Theresa Joan Stanton

William Frank Staric  
 Diana Kay Steed  
 David Alexander Stewart  
 Eric Glenn Stocker  
 Lisa Jo Stockwell  
 Arthur Leroy Stoller  
 Sue Ellen Styer  
 Daryl Robert Sybert  
 Regina Lea Tawney  
 Patricia Ann Taylor-Broberg  
 Kerry Dean Tedrow  
 Robert Bryant Thomas  
 Kay Elizabeth Thompson  
 Mark Eric Tikson  
 Nanette Renee Tippett  
 Charles Samuel Tritt  
 Donna Elaine Tuesdell  
 Mark Glenn Tufte  
 John Ignatius Uhlenhake  
 Arthur James Vaughn  
 Rhonda Leigh Veach  
 Helen Florence Wadsworth  
 Wendy Adams Ware  
 Carol Ann Welsh  
 Stephen William Welter  
 Beverly Jane West  
 Mary Anne Witt  
 Thomas Eugene Wilkins  
 Barbara Jo Williams  
 Virginia S. Wilson  
 Carl Edward Wisener  
 Cynthia Marie Wood  
 Pamela Lynn Wolf  
 John Fredrick Woll  
 Cynthia Marie Wood  
 Debra Sue Worthington  
 James Bradley Young  
 Jack Alan Ziegler

**Cum Laude with Distinction in  
 Agricultural Economics**

Thomas Jay Bollinger  
 Michael Spear Ray  
 B. Christopher Steiner

**Cum Laude with Distinction in  
 Agricultural Education**

Baboucar Manneh

**Cum Laude with Distinction in Agronomy**

Thomas Homer Beckett

**Cum Laude with Distinction in  
 Animal Science**

Pamela Lynn Blakeslee

**Cum Laude with Distinction in Biochemistry**

Kevin Patrick Barton

**Cum Laude with Distinction in  
 Demography and Health**

Ann Patricia Riley

**Cum Laude with Distinction in  
 Fisheries Management**

Tracy Mark Murray

**Cum Laude with Distinction in  
 Forest Biology**

Mark Charles Spiro

**Cum Laude with Distinction in  
 Home Economics Education**

Rebecca R. Kilgore

**Cum Laude with Distinction in Horticulture**

Michael Andrew Koss  
 Patricia Eileen Petri

**Cum Laude with Distinction in  
 Human Nutrition**

Marcia Lee Mitchell

**Cum Laude with Distinction in  
 Political Science**

Sandra J. Dickinson

**Cum Laude with Distinction in  
 Poultry Science**

Skip Yarus

**Cum Laude with Distinction in Biochemistry  
 and with Honors in the Liberal Arts**

Gregory R. Bellomy

**Cum Laude with Distinction in Criminology  
 and Criminal Justice and with Honors  
 in the Liberal Arts**

Cathleen May Cover

**Cum Laude with Distinction in Genetics  
 and with Honors in the Liberal Arts**

Janet Elaine Lewis

**Cum Laude with Distinction in History  
 and with Honors in the Liberal Arts**

Norman Michael Reed

**Cum Laude with Distinction in Philosophy  
 and with Honors in the Liberal Arts**

Michael A. Murphy

**Cum Laude with Distinction in Psychology  
 and with Honors in the Liberal Arts**

John Anthony Gurklis, Jr.

**Cum Laude with Distinction in Sociology  
 and with Honors in the Liberal Arts**

Loretta Lee Peckol

**Cum Laude with Distinction in Zoology  
 and with Honors in the Liberal Arts**

Timothy Eugene Dicke

**Cum Laude with Honors in the Liberal Arts**

Anthony James Esterwood  
 Steven Bruce Kravitz  
 Bradley Johnathan Lewis  
 Cherry Lynne Potest  
 Ann Price  
 Jonathan Showalter  
 Ann Elizabeth Townsley

**Summa Cum Laude**

Joyce Yeager Adair  
 Sandra Williams Anderson  
 Jeffrey John Bacon  
 William Irvin Bauer  
 Christina Lee Bowman  
 Karin Blythe Brauburger  
 Stephanie Ann Brett  
 Deborah Jane Brown  
 Eileen Mary Brubeck  
 Susan M. Buckalew  
 Mary A. Carlisi  
 Janis Faith Carter  
 Pamela Jayne Chaney  
 John Nelson Clark  
 Carlos Abel Clavijo  
 Russell Brian Cline  
 Linda Marie Coleman  
 Douglas Lee Cotsamire  
 Beverly Ann Cox  
 Joan Elizabeth Crumpler  
 Susan Ann Curley  
 Linda Sue Davis  
 Deneen De Donough  
 Philip Wesley Dorn  
 Karen Driscoll  
 Mark Jonathon Ellis  
 Susan Elaine Elmore  
 Richard Wayne Espe  
 Gary Robert Fankhauser  
 Keith Alan Fish  
 Kevin Patrick Flanagan  
 Ruth A. Fortney  
 Abigail Freeman  
 Susan Marie Fuller  
 Jane Ann Garvin  
 Mark Alan Gearhart  
 Karen Anne Gelliart  
 Ellen Mary Gerlat  
 Dale Robert Gilliland  
 Cynthia Louis Graffius  
 Mark Allen Groeneweg  
 Jill Ann Harshbarger  
 Jay Douglas Hathaway  
 Rebecca deSchweinitz Hays  
 Judith Marie Heeg  
 Joni Anne Hentze  
 Christopher Stanley Herold  
 Gary Joseph Heydinger  
 Robert Gerald Hrivnak  
 Judith Sheridan Jackwood  
 David James Jasko  
 Elizabeth Ann Jones  
 Cynthia Kay Keller  
 Donald R. Kimble, Jr.  
 Richard Joseph Koba  
 Thomas Alan Kocarek  
 Kathleen Amy Kolb  
 Donna M. Kronz  
 Mary Kathryn Kurdziel  
 Charles Jordan Lawrence  
 R. Mark Lawrence  
 Suzanne Marie LeMay-Hibinger  
 Richard Aloys Levy  
 Deborah Ann Lindner  
 Linda Kaye Lookenott  
 Jeffrey Ray Loushin  
 Karen Ruth Lowry  
 Gregory Paul Lutz  
 Donna Marie MacFarland  
 Kathy Sue Marsh  
 Ronald Sherman May  
 Gail Ellen McLoda  
 Loretta Joan Melavagno  
 Marcia Mendicino  
 Linda Lee Moberger  
 Russell Glenn Morgan

Carl Ricci Obert  
James Donald Overmeyer  
Catherine Ann Pape  
Chris E. Paterson  
Debra Jean Pleis  
Doris Ann Powell  
Cheryl Eileen Pusti  
Mark Otis Raber  
Gregory O. Rake  
Julie Anne Rhine  
Christina Faye Runyon  
Scot David Sargel  
Sabrena Jane Schweyer  
Carl Robert Schulz  
Lisa Lyn Sczublewski  
John Kenneth Seavers  
John Nick Sekas  
Larry Gilbert Siferd  
Michaela Marie Smith  
Susan Renee Squire  
Diane Mary Stroemple  
John Alfred Thomas  
Phillip D. Turner  
Peter Mark Van Buren  
Bradley T. Vander Zanden  
Sonia C. Vukovich  
Thomas Michael Warden  
Andrew Michael Weber  
Peter Jerome Wilson  
Mary Kathleen Wylie  
Kathryn Kay Yazel  
Danny Yee  
Lillian Yee  
Mary Jean Zontek

**Summa Cum Laude with Distinction in  
Accounting**

Diane Kay Horst Hill

**Summa Cum Laude with Distinction in  
Agricultural Economics**

Gary Donald Schnitkey

**Summa Cum Laude with Distinction in  
Agricultural Engineering**

Sue Ellen Nokes

**Summa Cum Laude with Distinction in  
Economics**

Ernest Eugene Vargo, Jr.

**Summa Cum Laude with Distinction in  
Electrical Engineering**

Donald Felt Kimball

**Summa Cum Laude with Distinction  
in English**

Elizabeth Jo Stealy

**Summa Cum Laude with Distinction in  
Home Management and Housing**

Linda Susan Plimpton

**Summa Cum Laude with Distinction in  
Human Nutrition**

Kevin Dale Schlessel

**Summa Cum Laude with Distinction in  
Mathematics**

Joseph John Rushanan

**Summa Cum Laude with Distinction in  
Physics**

Heidi René Mitchell

**Summa Cum Laude with Distinction in  
Psychology**

Joan Rae Rentsch

**Summa Cum Laude with Distinction in  
Chemistry and with Honors in the  
Liberal Arts**

William Lewis Roberts

**Summa Cum Laude with Distinction in  
Computer and Information Science and  
with Honors in the Liberal Arts**

Dean Thomas Allemang

**Summa Cum Laude with Distinction in  
Mathematics and with Honors in the  
Liberal Arts**

Karim Joseph Mourad

**Summa Cum Laude with Distinction in  
Political Science and with Honors in the  
Liberal Arts**

Rocky Edward Black

**Summa Cum Laude with Honors in the  
Liberal Arts**

Judy Haejung Cho

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTIETH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 10, 1982

The Board of Trustees met at its regular monthly meeting on Thursday, June 10, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

June 10, 1982 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

--o--

The meeting of the Board of Trustees reconvened at 1:30 p.m.

### INTRODUCTION OF NEW BOARD MEMBER

Mr. Smith:

I am delighted to introduce Mrs. Shirley Dunlap Bowser, Williamsport, Ohio, whose appointment was announced by Governor James A. Rhodes for a term beginning May 14, 1982 and ending May 13, 1991, to succeed Chester Devenow, whose term expired.

Mrs. Bowser graduated from The Ohio State University in 1956 with a Bachelor of Science in Education degree. While pursuing her undergraduate degree, she was a member of Kappa Kappa Gamma sorority. She was selected for membership in Alpha Lambda Delta, Mirrors, Chimes and Mortar Board honoraries.

Mrs. Bowser is the corporate secretary of The Dunlap Company of Williamsport, Ohio.

Mrs. Bowser served as a member of the Westfall Board of Education from 1964 until 1972 and as president of the board from 1966 until 1970. She was media librarian for the elementary schools of the Westfall Local School District.

She is a member of the Central Ohio Advisory Council for the Development of the Central Ohio Water Plan, a member of the Pickaway County Planning Commission and a member of the Williamsport Park Commission.

She was appointed by Governor James A. Rhodes to the Recreation and Resources Commission of Ohio Department of Natural Resources and was elected the first woman Chairman of the Commission.

She is a trustee for the Ohioana Library Association.

Mrs. Bowser is a charter member of the Circleville Branch of American Association of University Women, a member of the Presidents Club and a member of the Williamsport United Methodist Church.

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June 10, 1982 meeting, Board of Trustees

**COMMITTEE APPOINTMENTS 1982-83**

Resolution No. 82-111

WHEREAS the appointments to Committees and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1982-83 are as follows:

**Educational Affairs Committee**

Leonard J. Immke, Chairman	D. James Hilliker
Daniel M. Galbreath, Vice Chairman	

**Fiscal Affairs Committee**

John F. Havens, Chairman	John W. Berry
Edmund C. Redman, Vice Chairman	

**Standing Committee on Agricultural Affairs**

Daniel M. Galbreath, Chairman	Shirley Dunlap Bowser
John M. Stackhouse, Vice Chairman, ex officio	

**Student Affairs Committee**

John W. Berry, Chairman	John F. Havens
Leonard J. Immke, Vice Chairman	

**Personnel Committee**

Warren J Smith, Chairman	D. James Hilliker
John D. Jacob, Vice Chairman	

**Development Fund Board of Directors**

John W. Berry	Shirley Dunlap Bowser
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**Inter-University Council**

John D. Jacob

**Research Foundation Board of Directors**

Edmund C. Redman (April 1983)

**University Hospitals Board**

Daniel M. Galbreath	Edmund C. Redman
D. James Hilliker	

June 10, 1982 meeting, Board of Trustees

### COMMITTEE APPOINTMENTS 1982-83 (contd)

NOW THEREFORE

BE IT RESOLVED, That the Committee appointments and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1982-83 be approved.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

--O--

### COMMENTS BY DR. RICHARD GILSON

Mr. Smith:

Richard Gilson, who is the Chairman of the Steering Committee of the Senate, has asked to speak to the Board.

Dr. Gilson:

Thank you, Mr. Smith and Board members and Mr. President. This is making my first comments and last comments as the Steering Committee Chairperson and as proof of that point, I'd like to recognize Professor Herb Asher, Professor of Political Science, who succeeds me as the Chairperson of the Steering Committee. Herb has been the Chairperson of the Legislative Affairs Committee during an important year and has rallied students and faculty alike and has some important endeavors downtown. I'm sure he will do an outstanding job.

I'd also like to note that the faculty voted for Professor Richard Firestone to be Chairman of the Faculty Council. Professor Firestone is a Professor of Chemistry, and he replaces the irreplaceable--Professor Michael Gerald who has been this year a delight to work with.

Also, I would like to thank and congratulate one of our departing Steering Committee members, Provost Ann Reynolds. Best wishes to her in her new position as the Chancellor of that monstrous system out there in the State of California.

Secondly, I've had the privilege this year of observing this Board's actions during a very difficult year, and I feel it would be helpful as Janet Martin said before to have all our faculty members observe Board activities and see what the Board does. I realize that's impossible. Many on campus regard the Trustees like a trust in the sense that a trust is far removed and oftentimes inactive. This Board is far from that. It's been concerned, interested, and active in bringing about not only people throughout the state but on campus as well and during this year's challenges, and for that, I think this campus owes you an appreciation, and I bring that to you--in particular for the support this year for this University during the

June 10, 1982 meeting, Board of Trustees

**COMMENTS BY DR. RICHARD GILSON (contd)**

Dr. Gilson: (contd)

ongoing budget crisis. Many don't realize the amount of efforts that this Board has contributed to this ongoing crisis, and I would like to bring our thanks from the faculty and from the students for the work this year.

And secondly, we feel that you've made an exemplary choice in our new President, Dr. Edward Jennings, and for that we applaud you as well.

Indeed, during this year the ongoing budget--it's evident that a number of universities have not made it through this year without questioning the very survival of the quality of their institutions--OSU, however, has made it through this year with students, faculty, administrators, and the President working together and very hard indeed to maintain the high quality of Ohio's flagship institution--The Ohio State University.

Accordingly, and I think appropriately, the Steering Committee proposed and the Senate unanimously passed as its final action of the year, the following resolution which I would like to read to you:

WHEREAS Edward H. Jennings became the tenth President of The Ohio State University on September 1, 1981; and

WHEREAS President Jennings has demonstrated remarkable leadership in working with faculty, staff, and students throughout this first year of his presidency; and

WHEREAS the University Senate appreciates the efforts President Jennings has made to emphasize the excellence of this institution:

NOW THEREFORE

BE IT RESOLVED, That the University Senate congratulates President Jennings for his accomplishments during his first year in office and urges him to continue in this fine manner during the years to come.

And I note that that is one of the Senate resolutions--mostly it's at the end of a term and this is the beginning of the term. Thank you.

--o--

**BUDGET 1982-83**

Resolution No. 82-112

*Synopsis: The Budget for 1982-83 is being submitted for adoption.*

June 10, 1982 meeting, Board of Trustees

**BUDGET 1982-83 (contd)**

WHEREAS the projections of current State revenues for the 1981-83 biennium are insufficient to support the budget adopted by the State for the current biennium; and

WHEREAS this University has made or initiated expenditure cuts which now total \$42 million for the 1981-83 biennium; and

WHEREAS the General Assembly currently has under consideration a funding bill to resolve a part of the State's revenue shortfall; and

WHEREAS this University must proceed with its budget for 1982-83 to be effective July 1, 1982, even with the current uncertainties in State revenues:

**NOW THEREFORE**

BE IT RESOLVED, That the University Current Funds Budget for Fiscal Year 1982-83, as described in the accompanying text and tables, be approved with authorization for the President to make expenditures within the projected income levels, including making additional reductions in expenditures as appropriate should no new funding legislation be enacted before July 1, 1982; and

BE IT FURTHER RESOLVED, That the student fees be increased by an average of 12 percent beginning Autumn Quarter, 1982, and that the Schedule of Student Fees for the Autumn Quarter, 1982, be hereby approved; and

BE IT FURTHER RESOLVED, That the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including salary rolls with promotions, and fees and charges for the Fiscal Year 1982-83, and to file these materials with the official records of this University.

Mr. Smith:

Before I ask for a motion and a vote on the President's budget recommendation, I would like to make the following statement.

It seems that it was only yesterday that this Board was in the process of selecting a new president. As a matter of fact, it was on the evening of June 11, 1981, that this Board announced that Edward Jennings had been recommended by the search committee for appointment as the tenth President of The Ohio State University. In reflecting back on that announcement and all that has transpired since--the normal problems associated with leadership transition, compounded by a series of excruciating budget cuts and the resulting need to make institutional adjustments; and the struggle to achieve a degree of stability for the university--I think we all can appreciate the enormity of the problems just in this area alone which the President has had to deal with during his first year. He is to be commended for a job well done. It should also be noted that his effective leadership relative to the ordinary, day-to-day affairs of the University is equally deserving of meritorious recognition.

June 10, 1982 meeting, Board of Trustees

**BUDGET 1982-83 (contd)**

Mr. Smith: (contd)

All would agree that there are no ultimate ways to give recognition to President Jennings for his superb efforts and exemplary performance during his first year. However, this Board strongly believes that some recognition of the President's achievements is warranted at this time in the form of compensation adjustment. In addition, in order that the Board may regularize the review of the President's compensation so that the timing coincides with the review process pertaining to University faculty, administrative staff and Classified Civil Service salaries, I am pleased to report that the Personnel Committee has recommended that effective July 1 President Jennings' salary be increased by 10 percent.

It is worth noting that even with the proposed increase, President Jennings' compensation will still not be commensurate with that of several Presidents of Big Ten and other peer institutions.

I would like to ask for a motion to approve the President's budget recommendations as well as the recommendation of the Personnel Committee as noted in this report. Do I have a motion?

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

**1982-83 CURRENT FUNDS BUDGET FOR  
THE OHIO STATE UNIVERSITY**

**I. INTRODUCTION**

In December, 1981, this Board approved a budget for fiscal year 1981-82 which also referenced budgetary projections for 1982-83 covering salaries, general expenses, and tuition.

In January, 1982, we were informed that the State of Ohio anticipated a revenue shortfall for the current biennium of at least \$1 billion. The Ohio State University's share of that deficit was estimated to be \$55 million. Our new estimate, based on more current data, is that the 1981-83 biennium revenue shortfall for this University will be \$56.6 million, assuming no further legislative action.

In response to this serious financial situation, a retrenchment program was initiated in January to reduce by \$19.6 million the University's budget for the remainder of the 1981-82 fiscal year. The remaining \$37 million retrenchment was to be addressed during 1982-83, unless the General Assembly took action to help accommodate the deficit.

As of this date, both the Ohio House and Senate have passed a budget bill that essentially resolves the state's deficit by asking for cuts and tax increases in about equal proportion. This bill currently is in conference committee, and we are confident that the House and Senate will agree upon and pass a common bill soon.

June 10, 1982 meeting, Board of Trustees

### 1982-83 CURRENT FUNDS BUDGET FOR THE OHIO STATE UNIVERSITY (contd)

Although it was our intent to wait until legislative action was completed before recommending a budget for 1982-83, we cannot wait any longer. Our goal has been to provide more fiscal stability to allow faculty, staff, and students to plan for next year. Unless we proceed, the stability we hope to establish will be endangered.

Students must know of tuition and residence hall rates before the end of Spring Quarter. Faculty and staff notices of appointment must be issued. Finally, deans, department heads, and directors must be able to implement their plans for the coming fiscal year and be able to assume budgetary authority on July 1, so that their academic responsibilities can be met.

Accordingly, two budgets for 1982-83 are being recommended. One version includes, in addition to the \$42 million in expenditure cuts implemented this biennium, an additional \$8 million retrenchment in the event that a new funding bill is not passed. The other includes additional planned expenditures to be implemented if the General Assembly agrees on a bill that allows us to avoid starting the Fiscal Year facing more budget cuts. The budget preparation guidelines are the same for each version. These budgets incorporate both the plans brought to the Board in December, 1981, and the cutbacks instituted in January, 1982.

#### II. SOURCES OF FUNDS

The sources of current funds in support of the 1982-83 budget total \$644,834,000, as detailed in the schedule of Sources of Income to Support 1982-83 Budget. This amount is based upon State support being cut by \$37 million from the level appropriated in the budget bill enacted in November, 1981. Pending action by the General Assembly is expected to result in restoration of \$17 million in State support for this University for 1982-83. If no action is taken by the General Assembly before July 1, 1982, additional budget cuts will need to be initiated during 1982-83 in order to avoid a deficit. The revenues for 1982-83 represent an estimated increase of 6.5 percent over current funds revenues budgeted for 1981-82. Of these sources, Columbus Campus general funds represent 42 percent of the total with earnings operations generating 34 percent, restricted grants and contracts 19 percent, and the regional campuses revenues with OARDC totaling 6 percent.

While our projections for 1982-83 made this past December did not include a tuition increase, one clearly is required now. If we are to remain a viable institution of quality higher education, students must bear at least a moderate rise in the cost. We must, however, continue every effort to maintain accessibility. Therefore, the average increase in student fees has been set at 12 percent effective Autumn Quarter, 1982.

In addition to higher tuition, students face price increases in such other areas as residence halls, health insurance, parking, and extracurricular activities. Therefore, increases in normal charges assessed by the University have been limited to a combined average of no more than 12 percent. This policy is designed to help alleviate the "nickel and dime" effect on our students if such prices are not controlled.

Due to continued uncertainties in State revenues, every effort has been made to create within the budget plan flexibilities which will allow this University to address further reductions in State support without disruption to the academic programs. If funding legislation is not

June 10, 1982 meeting, Board of Trustees

**1982-83 CURRENT FUNDS BUDGET FOR  
THE OHIO STATE UNIVERSITY (contd)**

enacted, \$8 million in further expenditure cuts will be required to balance the budget before June 30, 1983, on top of the \$42 million in cuts already initiated for this biennium. Such action will be extremely disruptive and leave no room for further flexibility.

**III. USES OF FUNDS**

This University's current funds estimated expenditures for Fiscal Year 1982-83 are detailed in the schedule of Budgeted Expenditures for 1982-83. These expenditure levels will enable this University to implement the following budget guidelines for Fiscal Year 1982-83:

- \* Increase faculty and administrative/professional staff salaries by an average of 3 percent across-the-board and 5 percent for merit.
- \* Classified personnel to receive pay increases of 40 cents-per-hour or 5 percent, whichever is greater, in accordance with House Bill 694, with this University covering one-third the cost.
- \* Provide an allowance of 1 percent as a supplemental allocation for market adjustments for faculty and administrative/professional staff.
- \* Increase general expense budgets by 9 percent for the colleges and offices, which includes 7 percent increases in stipends for graduate students working as teaching, research, and administrative associates.
- \* Provide on a one-time basis, special allocations of \$600,000 to maintain the purchasing power of University funded student financial aid support and a \$4.4 million emergency fund to meet critical needs with emphasis on maintaining quality, providing adequate instructional staffs, supporting accessibility and affirmative action efforts.

In addition to these specified budget increases, the expenditure budget will enable this University to meet mandatory General Fund cost increases such as utilities (\$2.1 million) and employee benefits (\$1.3 million).

Assumed in this budget is full implementation of the overhead cost recovery system applicable to all University earnings operations. This program, instituted January 1, 1982, will reduce the General Fund burden of support for these earnings operations by having each such unit cover the total costs, both direct and indirect, of their activities.

This budget plan for 1982-83 calls for the January retrenchment levels to be instituted on a recurring basis at a level of \$22.55 million. These cutbacks include a \$6.7 million retrenchment for the colleges and offices on the Columbus campus, cuts of \$6.95 million for University programs receiving line-item appropriations, and full implementation of administrative overhead charges to earnings operations totaling \$8.9 million. When the 1981-82 and proposed 1982-83 cuts are combined, the total expenditure reductions for the biennium amount to \$42.13 million.

**1982-83 CURRENT FUNDS BUDGET FOR  
THE OHIO STATE UNIVERSITY (contd)**

The \$6.7 million in retrenchments for general fund-supported units will be permanent reductions from the budget bases of academic and administrative units. We have maintained the concept established in January of protecting the instructional budgets as much as possible, with special emphasis on the needs of those colleges experiencing significant enrollment changes. The distribution of the cuts to colleges and administrative units will differ, however, from those assigned in January. The cuts from the colleges will not exceed 3 percent, while the cuts for the administrative units will not exceed 4.5 percent of each unit's 1982-83 budget base.

If a revised revenue bill is enacted, it is expected to reduce the cutback in State funding to this University from \$56.6 million to \$29.8 million over the current biennium. If such a bill is passed the following expenditures will be incorporated into the 1982-83 budget plan:

- \* Eliminate the need for \$8 million in further expenditure reductions and restore the applicable portion of the cuts to University operations funded by line-item appropriations from the State.
- \* Continue upgrading equipment and library acquisitions by making \$6 million available in one-time funding in addition to the \$3.1 million provided for these uses in the 1981-82 budget.
- \* Commit up to \$3.2 million to address instructional workload needs generated by increasing and shifting student enrollment patterns.
- \* Maintain a \$3.8 million contingency against further State and federal revenue shortfalls during 1982-83.

**IV. CONCLUDING COMMENTS**

We are recommending an extremely austere fiscal program. These budget plans attempt to maintain accessibility through moderate tuition and fee increases; attempt to maintain the essential quality of the institution by retaining our best faculty and staff; attempt to address some serious problems in regard to outdated equipment and a deteriorating library acquisitions budget; and attempt to provide the fiscal flexibility to respond on an emergency basis to those most critical needs that inevitably develop in this comprehensive and dynamic institution.

Simultaneously, these plans recognize that The Ohio State University must do its part in these financially troublesome times by accepting budget retrenchments that amount to more than \$42 million for the last 18 months of the biennium. We are making \$42 million in cuts, even assuming a budget bill. The magnitude of these cuts is unprecedented, both in percentage and dollar amounts.

We are confident that this University's faculty and staff, deans and department heads, and students will continue their outstanding efforts in seeing us through this very difficult situation. With the cooperation and dedication of all individuals across the campuses, we will continue to maintain and enhance the long traditions of excellence of The Ohio State University.



June 10, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1982-83 CURRENT FUNDS BUDGET  
SOURCES OF INCOME TO SUPPORT 1982-83 BUDGET  
(IN THOUSANDS)

	1981-82 Budget December 10, 1981	1981-82 Revised Budget	1982-83 Proposed Budget
<b>Columbus Campus</b>			
<b>Government Appropriations</b>			
State of Ohio	\$179,130	\$161,442	\$172,379
Federal	75,653	70,419	68,196
Other	9,735	9,551	9,232
Subtotal	\$264,518	\$241,412	\$249,807
<b>Student Fees</b>			
Instruction and General	\$ 86,878	\$ 88,178	\$ 96,731
Room and Board	22,788	22,537	25,168
Other	3,992	4,026	4,687
Subtotal	\$113,658	\$114,741	\$126,586
<b>Other Income</b>			
Auxiliary Sales and Charges	\$157,901	\$154,896	\$171,360
Department and University Services	14,835	15,584	17,039
Endowment Income	5,205	5,208	5,315
Gifts and Grants	21,714	22,480	25,245
Temporary Investments	13,000	15,000	12,000
Subtotal	\$212,655	\$213,168	\$230,959
<b>TOTAL COLUMBUS CAMPUS</b>	<b>\$590,831</b>	<b>\$569,321</b>	<b>\$607,352</b>
<b>Regional Campuses</b>			
Lima Campus	\$ 3,637	\$ 3,513	\$ 3,689
Mansfield Campus	3,344	3,203	3,642
Marion Campus	2,233	2,136	2,238
Newark Campus	3,135	3,005	3,131
Agricultural Technical Institute	3,800	3,639	3,575
Wright-Patterson Graduate Center	105	105	-0-
<b>TOTAL REGIONAL CAMPUSES</b>	<b>\$ 16,254</b>	<b>\$ 15,601</b>	<b>\$ 16,275</b>
<b>TOTAL ALL CAMPUSES</b>	<b>\$607,085</b>	<b>\$584,922</b>	<b>\$623,627</b>
<b>OARDC</b>	<b>\$ 21,635</b>	<b>\$ 20,600</b>	<b>\$ 21,207</b>
<b>GRAND TOTAL</b>	<b>\$628,720</b>	<b>\$605,522</b>	<b>\$644,834</b>

June 10, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1982-83 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1982-83  
(IN THOUSANDS)

	1981-82 Budget December 10, 1981	1981-82 Revised Budget	1982-83 Proposed Budget
Columbus Campus			
Instruction and General			
Departmental Instruction and Research	\$199,029	\$193,053	\$210,223
Libraries	12,017	10,645	12,784
Other Academic Support	4,282	4,396	4,496
Sponsored Programs Administration	6,331	6,211	7,566
Student Services	10,593	10,374	11,620
Plant Operation	33,378	32,633	36,574
Institutional Support	22,595	22,076	24,452
Total Instruction and General	\$288,225	\$279,388	\$307,715
Sponsored Research			
Federally Sponsored Programs	\$ 41,148	\$ 39,486	\$ 40,233
Other Externally Sponsored Programs	10,520	10,134	10,288
Internally Sponsored Programs	539	521	745
Total Sponsored Research	\$ 52,207	\$ 50,141	\$ 51,266
Public Service			
University Hospitals	\$128,495	\$127,335	\$136,482
Cooperative Extension Service	24,534	24,007	24,984
Externally Sponsored Programs	16,841	15,719	15,689
Internally Sponsored Programs	5,528	5,302	5,849
Total Public Service	\$175,398	\$172,363	\$183,004
Student Aid	\$ 8,339	\$ 8,027	\$ 8,330

June 10, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY  
1982-83 CURRENT FUNDS BUDGET  
BUDGETED EXPENDITURES FOR 1982-83  
(IN THOUSANDS) (contd)

	1981-82 Budget December 10, 1981	1981-82 Revised Budget	1982-83 Proposed Budget
<b>Columbus Campus (contd)</b>			
Auxiliaries			
Student Housing	\$ 27,325	\$ 26,387	\$ 28,445
Intercollegiate Athletics	11,599	11,403	11,495
University Bookstores	7,808	7,707	8,129
Student Health Service	3,027	2,931	3,232
Student Unions	2,850	2,544	2,722
Parking Facilities	3,493	3,353	3,616
University Airport	3,003	3,003	3,168
Fawcett Center for Tomorrow	1,942	1,767	1,884
Other	1,249	1,249	1,318
Total Auxiliaries	\$ 62,296	\$ 60,344	\$ 64,009
TOTAL COLUMBUS CAMPUS	\$586,465	\$570,263	\$614,324
<b>Regional Campuses</b>			
Administration	\$ 220	\$ 220	\$ 237
Lima Campus	3,204	3,202	3,364
Mansfield Campus	2,990	2,875	3,365
Marion Campus	1,936	1,921	2,013
Newark Campus	2,729	2,679	2,860
Agricultural Technical Institute	3,453	3,387	3,285
Wright-Patterson Graduate Center	105	105	-0-
TOTAL REGIONAL CAMPUSES	\$ 14,637	\$ 14,389	\$ 15,124
Retrenchment to be Defined	-0-	-0-	(\$ 8,240)
TOTAL ALL CAMPUSES	\$601,102	\$584,652	\$621,208
OARDC	\$ 21,635	\$ 20,600	\$ 21,207
GRAND TOTAL	\$622,737	\$605,252	\$642,415

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1982

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Nonresident Tuition	Non-Resident Total
<b>Undergraduate</b>						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
Biological Sciences						
Continuing Education	0-1	\$ 66	\$12	\$ 78	\$ 63	\$ 141
Dental Hygiene	2	84	17	101	126	227
Education	3	98	24	122	189	311
Engineering	4	130	31	161	251	412
Health, Physical Education and Recreation	5	163	40	203	315	518
Humanities	6	195	48	243	378	621
Journalism	7	228	55	283	441	724
Journalism	8	261	63	324	504	828
Mathematical and Physical Sciences	9	293	71	364	567	931
Mathematical and Physical Sciences	10	326	79	405	630	1,035
Music	11	358	87	445	693	1,138
Natural Resources	12 or more	391	95	486	756	1,242
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
The Arts						
University College						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Nonresident Tuition	Non-Resident Total
Graduate School	0-1	\$ 66	\$12	\$ 78	\$ 88	\$ 166
	2	106	19	125	176	301
	3	159	29	188	263	451
	4	213	38	251	351	602
	5	266	48	314	439	753
	6	319	57	376	527	903
	7	372	67	439	615	1,054
	8	426	76	502	703	1,205
	9	478	86	564	791	1,355
	10 or more	532	95	627	879	1,506
Graduate Professional						
Law	0-3	\$ 157	\$24	\$ 181	\$ 235	\$ 416
Pharmacy, Doctor of	4	207	31	238	311	549
	5	262	40	302	393	695
	6	313	48	361	471	831
	7 or more	627	95	722	941	1,663
Medicine						
	0-3	\$ 278	\$24	\$ 302	\$ 350	\$ 652
	4	368	31	399	462	861
	5	465	40	505	585	1,090
	6	557	48	605	700	1,305
	7 or more	1,114	95	1,209	1,400	2,609
Dentistry						
Optometry	0 3	\$ 228	\$24	\$ 252	\$ 350	\$ 602
	4	301	31	332	462	794
	5	381	40	421	585	1,006
	6	456	48	504	700	1,204
	7 or more	913	95	1,008	1,400	2,408
Veterinary Medicine						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Nonresident Tuition	Non-Resident Total
Executive M.B.A.	1st year	\$1,665	\$95	\$1,760	\$879	\$2,639
	2nd year	1,505	95	1,600	879	2,479
University Regional Campuses						
Undergraduate	0-1	\$ 66	\$12	\$ 78	\$ 63	\$ 141
	2	84	17	101	126	227
	3	98	20	118	189	307
	4	130	27	157	252	409
	5	163	33	196	315	511
	6	195	40	235	378	613
	7	228	46	274	441	715
	8	261	53	314	504	818
	9	293	60	353	567	920
	10	326	66	392	630	1,022
	11	358	73	431	693	1,124
	12 or more	391	80	471	756	1,227
Graduate	0-1	\$ 66	\$12	\$ 78	\$ 88	\$ 166
	2	106	16	122	176	298
	3	159	24	183	263	446
	4	213	32	245	351	596
	5	266	40	306	439	745
	6	319	48	367	527	894
	7	372	56	428	615	1,043
	8	426	64	490	703	1,193
	9	478	72	550	791	1,341
	10 or more	532	80	612	879	1,491

June 10, 1982 meeting, Board of Trustees

**PROPOSED SCHEDULE OF STUDENT FEES,  
EFFECTIVE AUTUMN QUARTER, 1982 (contd)**

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$78 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$78 for zero or one credit hour.

Graduate professional students (those enrolled in any quarter, term, or period for seven or more credit hours) will be assessed full fees. Fees for graduate professional students enrolled for six or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the minimum fee for fewer than three credit hours being the fee for three credit hours.

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**TRAFFIC AND PARKING RULES OF THE OHIO STATE UNIVERSITY**

Resolution No. 82-113

*Synopsis: Revision of the University's Traffic and Parking Rules is proposed.*

WHEREAS on November 3, 1978, the Board adopted Motor Vehicle, Traffic and Parking Regulations of The Ohio State University; and

WHEREAS there is a need to update those regulations and the Board is being requested to approve revised rules regulating traffic and parking on the campus:

NOW THEREFORE

BE IT RESOLVED, That the revised Traffic and Parking Rules of The Ohio State University be adopted by the Board of Trustees.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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June 10, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF DEPARTMENT OF NEUROLOGY--COLLEGE OF MEDICINE**

Resolution No. 82-114

*Synopsis: A proposal to establish a Department of Neurology in the College of Medicine is being presented.*

WHEREAS the Council on Academic Affairs has received and reviewed a request that a Department of Neurology be established within the College of Medicine; and

WHEREAS the Council on Academic Affairs believes the proposal to be well founded and such a department would provide for enhanced and more visible teaching, research, clinical, and service in the area of neurology; and

WHEREAS the Office of the Vice President for Health Sciences, the College of Medicine, and the Department of Medicine endorse and approve the proposal:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the action taken by the University Senate on May 8, 1982, to establish a Department of Neurology within the College of Medicine.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**UNIVERSITY HOSPITALS BOARD BYLAWS**

Resolution No. 82-115

*Synopsis: Amendments to University Hospitals Board Bylaws are proposed.*

WHEREAS pursuant to bylaw 3335-103-01 of the Administrative Code, the Board of Trustees is authorized to amend the *University Hospitals Board Bylaws*; and

WHEREAS after a careful study of the *University Hospitals Board Bylaws*, as approved by the Board of Trustees on May 2, 1980, and amended on September 5, 1980, November 7, 1980 and September 4, 1981, further amendments are recommended; and

WHEREAS bylaws 3335-93-01, 3335-93-02, 3335-93-03 are modified to delete the vice president for health sciences and establish the president as the university's administrative contact with the hospitals board; and

WHEREAS bylaw 3335-97-03 is altered to change the composition of the joint committee membership:



June 10, 1982 meeting, Board of Trustees

## UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

NOW THEREFORE

BE IT RESOLVED, That the amendments as recommended by the University Hospitals Board on May 27, 1982 be approved.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

### Chapter 3335-93

## UNIVERSITY HOSPITALS BOARD BYLAWS

3335-93-01 University hospitals board.

- (A) The body responsible to the Ohio state university board of trustees for oversight of patient care services, the university hospitals' support of the Ohio state university health sciences academic programs, shall be known as the university hospitals board (herein called board).
- (1) The hospitals board will be composed of three members of the Ohio state university board of trustees (trustee members) and twelve citizens from the general public (citizen members), all appointed by the Ohio state university board of trustees in consultation with the president of the university. No employee of the university shall be eligible for board membership.
  - (2) The president of the Ohio state university shall be an ex officio member of the hospitals board.
  - (3) Insofar as feasible, the selection criteria will ensure that the hospitals board membership will include persons with business expertise, persons with legal expertise, persons with knowledge of health care issues, persons knowledgeable about the academic mission of university hospitals, and persons who can assist the hospitals in its relations with the public and governmental entities. Selection processes will incorporate the affirmative action policies of the university.
  - (4) The term of office for the twelve citizen members will be three years. Of the original twelve such members appointed, four will be appointed for three years, four will be appointed for two years, and four will be appointed for one year. Thereafter, four members will be appointed each year to serve three-year terms. At the discretion of the Ohio state university board of trustees, any citizen member may serve two consecutive terms. Original members with two- or one-year initial appointments may serve two full terms in addition to the initial partial terms.
  - (5) In addition to the hospital board members, the following will participate in deliberations at the board's request, will receive agenda and minutes, and

**UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

from time to time will be invited to submit agenda items:

- Executive director of university hospitals
- Deans of health sciences colleges
- Medical director of university hospitals
- Chief, hospitals medical staff, or equivalent position

- (6) The president of the Ohio state university will serve as the university's primary administrative contact with the hospitals board and shall interpret to the university's board of trustees proposals and recommend actions of the hospitals board.
  - (7) The executive director of university hospitals will serve as the non-voting secretary to the board and provide such staff services for the board as may be requested.
- (B) In carrying out its responsibilities as defined in rule 3335-93-02 of the Administrative Code, the board shall seek continuing guidance from health professionals, management specialists, and others with professional expertise. The hospitals board may choose to have a periodic review of university hospitals activities by a board of visitors. The visitors, consisting of persons of national eminence in health care fields, would be selected in consultation with the president of the university.  
(B/T 5/2/80, B/T 6/10/82)

**3335-93-02 Powers and duties.**

Members of the hospitals board shall be responsible to the university board of trustees for the oversight of patient care services in university hospitals and for ensuring that the hospitals' activities support the health sciences programs of the university. Although it is understood that the university board of trustees cannot delegate its ultimate authority over and responsibility for the hospitals--including determination of policy for the fiscal health of the university hospitals, its personnel policies, or the definition of the hospitals' mission--the hospitals board will be delegated the authority and responsibility set forth herein, consistent with Ohio law. The university hospitals board will be responsible for, subject to the authority and periodic review of the university board of trustees, the following:

- (A) Oversight of patient services, including admissions and quality assurance policies and practices developed by the hospitals staff.
- (B) Oversight of the hospitals' unique mission to support the health sciences teaching and research programs of the university.
- (C) Oversight of relationships with outside agencies, both private and public.
- (D) Oversight of hospitals' compliance with federal and state laws.
- (E) Oversight of hospitals' accreditation process.

June 10, 1982 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

- (F) Approval of medical and dental appointments, clinical privileges, and disciplinary actions upon the recommendation of the appropriate official, subject where required to final action of the Ohio state university board of trustees.
- (G) Approval of medical staff bylaws and recommendation thereof to the Ohio state university board of trustees.
- (H) Review of current funds and capital budgets prior to their submission to the Ohio state university board of trustees by the university president.
- (I) Advice and counsel to the president and/or his designee on matters of institutional income and expenditures, fees for institutional services, and utilization of hospitals services. (B/T 5/2/80, B/T 6/10/82)

**3335-93-03 Accountability.**

To ensure that the Ohio state university board of trustees meets its governance obligations under Ohio law, the hospitals board will be accountable, through the president to the Ohio state university board of trustees.

- (A) The appointment of the director of university hospitals will be approved by the Ohio state university board of trustees upon recommendation of the president of the university following consultation with the hospitals board.
- (B) Recommendations and reports of the hospitals board that require Ohio state university board of trustees' review or action will be communicated through the president of the university to the Ohio state university board of trustees.
- (C) The Ohio state university board of trustees will continue to hold the president of the university responsible for the conduct of the academic programs and for ensuring that the hospitals are operated in a manner consistent with university policy and state and federal law. (B/T 5/2/80, B/T 6/10/82)

**3335-93-04 Meetings and notice.**

- (A) Regular meetings. Regular meetings of the hospitals board may be held at the hospital each month, or on a schedule established by the board, at times which shall be set and publicly announced by the chairman of the board, or at such other time or place as may be announced by the chairman.
- (B) Special meetings. Special meetings may be called at the direction of the chairman, or shall be called by the chairman at the request of three members of the board, provided that notice to all board members shall be given not less than five days prior to the meeting. The notice shall state the time, place, and purpose of the meeting.
- (C) Except as otherwise specified in these bylaws, all meetings of the board and its committees shall be conducted in accordance with the latest revision of "Robert's Rules of Order."

June 10, 1982 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

(D) Meetings of the board shall be open to the public, except for executive sessions called for reasons permissible under Ohio law. (B/T 5/2/80)

3335-93-05 Quorum.

At least a majority of the current membership of the board shall be necessary for a quorum. (B/T 5/2/80)

3335-97-03 Joint conference committee.

(A) Purpose. The joint conference committee shall be a forum for discussion of medical policy and practice in the university hospitals and shall advise the board concerning hospitals patient care goals, policies, standards of care, and general operating problems. All recommendations of the medical staff to the board shall first be sent to the joint conference committee for its consideration and recommendation before being acted upon by the board. The committee shall perform such other duties as shall be given it by the board and shall also have the following specific duties:

- (1) Accreditation. The committee shall be responsible for advising the hospitals board on all matters relevant to maintenance of joint commission on accreditation of hospitals' accreditation. The committee shall monitor hospitals operation to identify areas of potential non-compliance with joint commission on accreditation of hospitals' standards and shall make recommendations to the hospitals board and to the medical staff for appropriate action.
- (2) Disaster planning. The committee shall be responsible for the development and maintenance of methods for the protection and care of hospitals patients and others at the time of internal and external disaster.
- (3) Medical staff appointments. The committee shall make recommendations to the board on all applications for appointment or reappointment to the medical staff of the hospitals, and on all matters dealing with suspension or revocation of privileges of members of the medical staff, as may be provided under the bylaws of the medical staff.
- (4) Medical staff bylaws, rules, and regulations. The committee shall recommend to the hospitals board all bylaws, rules, and regulations governing the activities of the medical staff, or amendments thereto, that it may consider necessary to assure proper patient care.
- (5) Medical staff liaison. The committee shall advise the hospitals board on any communications, requests, or recommendations presented by the medical staff through its duly authorized representatives. The committee shall receive and consider all reports on the work of the medical staff organization and make such recommendations to the board as it considers to be in the best interest of the hospitals. The committee shall also receive and consider issues that may arise in the planning and operation of the hospitals that affect the relationship of the board, hospitals management, and medical staff organization.

June 10, 1982 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD BYLAWS (contd)**

- (B) Composition. The hospitals board shall be represented on the joint conference committee by five (5) members of the hospitals board to be appointed annually by the hospitals board chairman.

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**AMENDMENT TO BYLAW 3335-1-03 (ADMINISTRATION OF THE UNIVERSITY)**  
Resolution No. 82-116

*Synopsis: Amendment to Bylaw 3335-1-03 of the Administrative Code.*

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President the following change is proposed:

3335-1-03 Administration of the university.

(U) University hospitals board.

- (1) The university hospitals board shall be responsible to the board of trustees for the oversight of patient care services in university hospitals. The hospitals board shall be accountable through the president to the university board of trustees. The bylaws of the hospitals board will be subject to the approval of the university board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing change in the bylaw be adopted.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-117

*Synopsis: Amendments to Bylaws of the Board of Trustees [paragraphs (E) and (H) of bylaw 3335-1-03] and Rules of the University Faculty [3335-3-05 and 3335-3-08], the addition of 3335-3-173, and the deletion of paragraphs (O) and (P) of bylaw 3335-1-03 and rules 3335-3-15 and 3335-3-151 are proposed.*

WHEREAS certain vice presidential positions have been combined; and

June 10, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

WHEREAS the responsibility of the vice president for university development has been assigned to the vice president for university communications and development resulting in paragraph (P) of bylaw 3335-1-03 of the Administrative Code and rule 3335-3-151 of the Administrative Code being deleted; and

WHEREAS the office of the vice president for business and administration and vice president for finance and planning are realigned to form one office designated as vice president for business and finance with the resulting deletion of paragraph (O) of bylaw 3335-1-03 and rule 3335-3-15 of the Administrative Code; and

WHEREAS the president has recommended that a new position of university fiscal officer be established, said official to report to the vice president for business and finance concerning day-to-day operations and to the president on university financial matters; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the president, the following rule changes are proposed:

**BYLAW**

**3335-1-03 Administration of the university.**

(E) The president's staff.

- (1) The president's staff shall consist of the president; the provost; the vice president for business and finance; the vice president for student services; the vice president for health sciences; the vice president for regional campuses; the vice president for educational services; the vice president for public affairs; the vice president for personnel services; the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; the vice president for university communications and development; and special assistants.

(H) Vice president for business and finance. The major area of responsibility and authority of the vice president for business and finance shall be that of the administration of the university operations. Without limiting the generality of the foregoing, the vice president for business and finance shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the conduct and evaluation of all business and administrative activities and procedures, including management improvement programs; internal auditing; contracts administration; business management; the development, allocation, utilization, and maintenance of the physical facilities; traffic and parking; the administration of the office of public safety; university systems; and the coordination of all matters administratively assigned to the other vice presidents which relate to the business and administrative areas of the university.

June 10, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION-  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

**AMENDED RULES**

**3335-3-05 President's staff.\***

- (A) The president's staff shall consist of the president; the provost; the vice president for business and finance; the vice president for student services; the vice president for health sciences; the vice president for regional campuses; the vice president for educational services; the vice president for public affairs; the vice president for personnel services; the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; the vice president for university communications and development; and special assistants.

**3335-3-08 Vice president for business and finance.\***

- (A) The vice president for business and finance shall be the executive head of the office of business and finance.
- (B) The major area of responsibility and authority of the vice president for business and finance shall be that of the administration of the university operations. Without limiting the generality of the foregoing, the vice president for business and finance shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the conduct and evaluation of all business and administrative activities and procedures, including management improvement programs; internal auditing; contracts administration; business management; the development, allocation, utilization, and maintenance of the physical facilities; traffic and parking; the administration of the office of public safety; university systems; and the coordination of all matters administratively assigned to the other vice presidents which relate to the business and administrative areas of the university.
- (C) The principal administrative officials of the office of business and finance shall include the associate vice president, physical facilities; assistant vice president, administration; university fiscal officer; director, public safety; assistant vice president, business management; director, university systems; contracts officer; and such other associates as may be authorized from time to time. (B/T 10/5/73, B/T 9/5/75, B/T 4/6/79, B/T 6/10/82)

**NEW RULE**

**3335-3-173 University fiscal officer.\***

- (A) There shall be a university fiscal officer in the office of business and finance.

\*Rule initiated by board of trustees.

June 10, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-173 University fiscal officer.\* (contd)

- (B) The authority of the university fiscal officer shall be that of the administration of university finances, including planning and resource allocation. Without limiting the generality of the foregoing, the university fiscal officer shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: formulation, review and monitoring of capital and current funds budgets; office of the university treasurer; financial accounting, including the office of the controller; long-range resources analysis and planning, including cost implications of proposed programs; indirect cost analysis and recovery; equipment inventory; projections of enrollments and all factors bearing on future resource requirements and availabilities in the context of the mission and goals of the university.
- (C) The principal administrative officials in the office of fiscal affairs shall be the university treasurer, the assistant vice president of campus planning and space utilization, the director of planning studies, the executive director of university budget, the controller, the director of special projects, and such other associates as may be authorized from time to time. (B/T 6/10/82)

\*Rule initiated by board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing changes in the bylaws and rules as they are printed herein be adopted.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DOCTOR OF PHILOSOPHY PROGRAM IN CITY AND REGIONAL PLANNING**

Resolution No. 82-118

*Synopsis: Authorization to initiate a program leading to a Doctor of Philosophy in City and Regional Planning degree is proposed.*

WHEREAS the Department of City and Regional Planning has requested approval to offer a new post-master's degree, Doctor of Philosophy in City and Regional Planning; and

WHEREAS the Doctor of Philosophy in City and Regional Planning will provide an academic research curriculum not presently available in the master's program offered by the Department of City and Regional Planning; and



June 10, 1982 meeting, Board of Trustees

**DOCTOR OF PHILOSOPHY PROGRAM IN CITY AND REGIONAL PLANNING (contd)**

WHEREAS the Doctor of Philosophy in City and Regional Planning is offered in many other universities and colleges, and it is a required degree in academic and research institutions; and

WHEREAS faculty in the Department of City and Regional Planning show a strong commitment to research, an excellent record in research grants, that supports intellectually the new program; and

WHEREAS existing faculty--plus one addition within the first three years of the new program--and other resources currently existing in the department will be used to support the new program; and

WHEREAS the Council on Academic Affairs has examined the proposed program carefully and has given its unanimous approval:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the foregoing resolution as approved and recommended by the University Senate and that this degree proposal be forwarded to the Board of Regents pursuant to section 3333.04 (N) of the Revised Code.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-119

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Retirement, Appointments, Reappointment of Principal Administrative Official, Appointment of New Chairmen of Departments and Division, Reappointment of Chairmen of Departments and Division, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/Tenure, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the May 7, 1982 meeting of the Board, including the following Retirement, Appointments, Reappointment of Principal Administrative Official, Appointment of New Chairmen of Departments and Division, Reappointment of Chairmen of Departments and Division, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/ Tenure, and Emeritus Titles as detailed in the University Budget, be approved.

**Retirement**

ROY M. KOTTMAN will retire as Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources, effective June 30, 1982.

June 10, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Retirement: (contd)

President Jennings:

Roy I think is deserving of recognition--there in his outstanding role of 22 years as one of the major forces at Ohio State University, and for that, Roy, we thank you very much.

Appointments

Name: RICHARD D. JACKSON  
Title: Vice President for Business and Finance  
Office: Business and Finance  
Effective: Immediately  
Salary: N/A  
Present Position: Vice President for Business and Administration

Name: WELDON E. IHRIG  
Title: University Fiscal Officer  
Office: Business and Finance  
Effective: Immediately  
Salary: N/A  
Present Position: Acting Vice President, Office of Finance and Planning

Reappointment of Principal Administrative Official

COLIN B. BULL, Dean of the College of Mathematical and Physical Sciences, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

Appointment of New Chairmen of Departments and Division

July 1, 1982 through June 30, 1986

Aviation	G. Stacy Weislogel
Ceramic Engineering	Dennis W. Readey
Industrial and Systems Engineering	George L. Smith, Jr.
Photography and Cinema	Willie F. Longshore

July 1, 1982 through June 30, 1984

Pharmacy Practice	Richard H. Reuning
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October 1, 1982 through June 30, 1986

Romance Languages and Literatures	Ronald C. Rosbottom
Sociology	Saad Nagi

June 10, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointment of New Chairmen of Departments and Division (contd)

October 1, 1982 through June 30, 1983

Astronomy

\*William M. Protheroe

Reappointment of Chairmen of Departments and Division

July 1, 1982 through June 30, 1986

Engineering Mechanics

Sunder H. Advani

July 1, 1982 through June 30, 1985

Administrative and Social Sciences

Dev S. Pathak

October 1, 1983 through June 30, 1987

Astronomy

Eugene R. Capriotti

\*Acting chairman.

Leaves of Absence Without Salary

JILL C. D. S. YAQUB, Professor, Department of Mathematics, effective January 1, 1983 through June 30, 1983, to work on her book, *Finite Geometrics*, and continue her collaborative research work with colleagues at Westfield College, London.

HENRY H. GLOVER, Associate Professor, Department of Mathematics, effective October 1, 1982 through June 30, 1983, to teach at the University of British Columbia.

ROBERT KRAUT, Associate Professor, Department of Philosophy, effective October 1, 1982 through March 31, 1983, to accept a visiting teaching position at the University of Pittsburgh.

NEIL F. FALKNER, Assistant Professor, Department of Mathematics, effective October 1, 1982 through June 30, 1983, to accept a visiting assistant professorship at Stanford University.

SHIGERU MIYAGAWA, Assistant Professor, Department of East Asian Languages and Literatures, effective October 1, 1982 through June 30, 1983, to accept a one-year research fellowship from the National Institute of Mental Health to spend a year conducting research at Massachusetts Institute of Technology.

ANTHONY B. SANDERS, Assistant Professor, Academic Faculty of Finance, effective October 1, 1982 through June 30, 1983, to accept a visiting professor appointment in finance and real estate at the University of Texas - Austin.

June 10, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Professional Improvement Leaves

ALFRED G. BISHARA, Professor, Department of Civil Engineering, effective Winter Quarter 1983 and Spring Quarter 1983.

F. JOE CROSSWHITE, Professor, Academic Faculty of Science and Mathematics Education, effective Winter Quarter 1983, Spring Quarter 1983, and Summer Quarter 1983.

CHRISTIE J. GEANKOPLIS, Professor, Department of Chemical Engineering, effective Winter Quarter 1983 and Spring Quarter 1983.

TIEN-YI LI, Professor, Department of East Asian Languages and Literatures, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

ERNEST H. LOCKRIDGE, Professor, Department of English, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

KAMRAN MAJIDZADEH, Professor, Department of Civil Engineering, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ANDREW G. OLDENQUIST, Professor, Department of Philosophy, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

GEORGE S. PAPPAS, Professor, Department of Philosophy, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

D. K. RAY-CHAUDHURI, Professor, Department of Mathematics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

RONALD C. ROSBOTTOM, Professor, Department of Romance Languages and Literatures, effective Autumn Quarter 1983 and Winter Quarter 1984.

ROLF H. SOELLNER, Professor, Department of English, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

HERBERT F. WEISBERG, Professor, Department of Political Science, effective Spring Quarter 1983, Summer Quarter 1983, and Autumn Quarter 1983.

DANIEL R. BARNES, Associate Professor, Department of English, effective Autumn Quarter 1983 and Winter Quarter 1984.

CARL C. SCHLAM, Associate Professor, Department of Classics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

RONALD M. SOLOMON, Associate Professor, Department of Mathematics, effective Winter Quarter 1983, Spring Quarter 1983, and Autumn Quarter 1983.

June 10, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Professional Improvement Leaves (contd)

MARILYN ROBINSON WALDMAN, Associate Professor, Department of History and Chairperson, Division of Comparative Studies in the Humanities, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

CHRISTIAN K. ZACHER, Associate Professor, Department of English, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

Emeritus Titles

ROY M. KOTTMAN, College of Agriculture and Home Economics, with the title Vice President for Agricultural Administration and Executive Dean Emeritus, effective July 1, 1982.

RICHARD D. ALTICK, Department of English, with the title Regents Professor Emeritus, effective July 1, 1982.

FRANKLIN H. BECK, Department of Metallurgical Engineering, with the title Professor Emeritus, effective July 1, 1982.

SIDNEY CHAFETZ, Department of Art, with the title Professor Emeritus, effective July 1, 1982.

LEE S. COX, Department of English, with the title Professor Emeritus, effective July 1, 1982.

CARL L. MARSHALL, Department of English, with the title Professor Emeritus, effective July 1, 1982.

Upon motion of Mr. Berry, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 82-120

*Synopsis: The reports on contracts, grants, and gifts and the summary for April are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

**NOW THEREFORE**

**BE IT RESOLVED**, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of April 1982 be approved.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR APRIL 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	56	\$4,307,030.88
Engineering Experiment Station	52	324,956.00
Ohio Agricultural Research and Development Center	7	375,269.00
		\$5,007,255.88
The Ohio State University Development Fund		
Establishment of Named Funds		
The Roy M. Kottman Scholars Program (College of Agriculture and Home Economics)		\$ 25,000.00
The John H. Moore Memorial Loan Fund (OSU Marion Campus)		\$ 10,000.00
The Richard Stow Research & Lectureship Fund (College of Medicine)		\$ 10,000.00
The Dr. Vincent Cranston Ward Memorial Scholarship Fund (College of Medicine)		\$ 10,000.00

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR APRIL 1982 (contd)**

**The Ohio State University Development Fund (contd)**

**Establishment of Named Funds (contd)**

The David Z. Saylor Memorial Award (College of Medicine)	\$ 6,510.00
Allan C. Barnes Endowment Fund (College of Medicine)	\$ 5,000.00
The William Ray Fleisher Professorship in Educational Administration Fund (College of Education)	\$ 5,000.00
The Adelaide "Babs" McNamara Memorial Fund (College of Law)	\$ 4,000.00

**Change in Name and Description of Named Fund**

From: The Newton D. Baker Memorial Scholarship Fund  
To: The Newton D. Baker Memorial Fund

**Report from Presidents Club**

Members to date	4,539
1982 members: year to date	53
New members - April 1982	14

**New Presidents Club Members - April 1982**

C. Andrew Bush	Steven J. Springer
Christopher A. Bush	Carol R. Springer (Mrs. Steven J.)
John F. Howes	Leon I. Twarog
Edmund M. Kagay	Esther R. Yarrington
Jennifer Kilman	David W. Zehnder
Brett P. Gundlach	Jeffrey S. Zehnder
Howard Polster	Michael R. Zetz

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Federal Research Contracts/Grants

\$698,430.00 - Department of Education, Office of Educational Research and Improvements, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1982 through 30 November 1982. (Project 762530 - Continuation)

\$201,002.00 - Environmental Protection Agency, Washington, D. C., Evaluation of a Short-Term *in Vivo* System for Risk Assessment of Environmental Chemicals, Department of Pharmacology (D. Couri), 1 April 1982 through 31 March 1983. (Project 762125 - Continuation)

\$192,867.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Utilization of Technology in the Development of Basic Skills Instruction (Mathematics), Academic Faculty of Early and Middle Childhood Education (M. L. Languis and S. Damarin) and Academic Faculty of Science and Mathematics Education (R. J. Shumway), 1 April 1982 through 30 September 1983. (Project 762431 - Continuation)

\$126,600.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (M. Tzagournis), 1 April 1982 through 31 March 1983. (Project 761078 - Continuation)

\$125,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$110,388.88 - Department of the Interior, Office of Water Research and Technology, Washington, D. C., Water Resources Center Annual Cooperative Program (FY 82), Engineering Experiment Station (R. C. Stiefel), Department of Zoology (T. M. Cavender and D. A. Culver), Department of Agronomy (J. M. Bigham) and Department of Chemical Engineering (L. S. Fan), 1 October 1981 through 30 September 1982. (Project 763046 - Continuation)

\$109,522.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates, Department of Chemistry (D. Horton), 1 April 1982 through 31 March 1983. (Project 760025 - Continuation)



June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$92,431.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Cellular PD and Ion Activities in Renal Proximal Tubules, Department of Physiology (B. A. Biagi), 1 April 1982 through 31 March 1983. (Project 763050 - New)

\$90,139.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Unsaturated Fatty Acids, Prostaglandins and Diabetes, Department of Physiological Chemistry (H. W. Sprecher), 1 April 1982 through 31 March 1983. (Project 760745 - Continuation)

\$88,000.00 - National Science Foundation, Washington, D. C., Conducting Polymers: Magnetic, Optical and Transport Studies, Department of Physics (D. B. Tanner), 1 February 1982 through 31 January 1983. (Project 762830 - Continuation)

\$86,800.00 - Department of Energy, Argonne, Illinois, Fundamental Studies of High-Temperature Corrosion Reactions, Department of Metallurgical Engineering (R. A. Rapp), 1 May 1982 through 30 April 1983. (Project 761619 - Continuation)

\$83,443.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Post-Transcriptional Control in Eukaryotic Cells, Department of Physiological Chemistry (T. E. Webb and D. E. Schumm), 1 April 1982 through 31 March 1983. (Project 760063 - Continuation)

\$81,777.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO<sub>2</sub> Concentration, Department of Physiology (A. L. Kunz), 1 April 1982 through 31 March 1983. (Project 761572 - Continuation)

\$81,157.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Biotransformation of m-AMSA and Related Analogues, College of Pharmacy (L. Malspeis), 1 April 1982 through 31 March 1983. (Project 762091 - Continuation)

\$80,000.00 - National Science Foundation, Washington, D. C., Syntheses and Studies of Selected Metal Carbonyl and Metalloborane Cluster Systems, Department of Chemistry (S. G. Shore), 1 September 1982 through 31 August 1983. (Project 761767 - Continuation)

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$78,000.00 - National Science Foundation, Washington, D. C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 August 1982 through 31 July 1983. (Project 762803 - Continuation)

\$73,758.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, *In Vivo* Release of Transformed Cell-Specific Proteins, Department of Physiological Chemistry and Cancer Research Center (T. E. Webb) and Department of Physiological Chemistry (D. E. Schumm), 1 June 1982 through 31 May 1983. (Project 763071 - New)

\$71,559.00 - Department of Energy, Argonne, Illinois, Chemoradiotherapy of Cancer Using Boronated Monoclonal Antibodies, College of Pharmacy (A. H. Soloway) and Department of Pathology (R. F. Barth), 1 April 1982 through 31 March 1983. (Project 763051 - New)

\$69,762.00 - National Aeronautics and Space Administration Headquarters, Contracts and Grants Division, Washington, D. C., Theoretical Studies of the Surface Tension of Liquid Metal Systems, Department of Physics (D. G. Stroud), 1 March 1982 through 28 February 1984. (Project 763043 - New)

\$69,173.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis Studies in Anthracycline Chemistry, Department of Chemistry (J. S. Swenton), 1 April 1982 through 31 March 1983. (Project 761021 - Continuation)

\$69,085.00 - National Science Foundation, Washington, D. C., Diffractive Spectro-electrochemistry, Department of Chemistry (R. L. McCreery), 1 April 1982 through 31 March 1983. (Project 763063 - Continuation)

\$63,406.00 - National Science Foundation, Washington, D. C., Knowledge Organization and Problem Solving for Diagnostic Tasks, Department of Computer and Information Science (B. Chandrasekaran), 1 May 1982 through 30 April 1983. (Project 762640 - Continuation)

\$63,132.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Pharmacology of Novel Antiabortion Agents, College of Pharmacy (R. G. Rahwan), 1 April 1982 through 31 March 1983. (Project 762609 - Continuation)

\$59,013.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1982 through 31 March 1983. (Project 762083 - Continuation)

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$57,555.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Effects of Dietary Change on Lipid Biosynthesis, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1982 through 30 April 1983. (Project 764415 - Continuation)

\$56,000.00 - Department of Energy, Oak Ridge Operations, Oak Ridge, Tennessee, Energy Graduate Traineeship Program - 1982, Department of Mechanical Engineering (J. E. A. John), 15 April 1982 through 30 September 1984. (Project 763068 - New)

\$50,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright Patterson Air Force Base, Ohio, Transition-Region Heat Transfer and Rough Surface Effects on Turbo-Machine Flow Problems, Department of Mechanical Engineering (L. S. Han), 29 March 1982 through 30 September 1982. (Project 763057 - New)

\$44,243.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Improvement of Knowledge Regarding Earth's Gravity Field from Terrestrial and Satellite Data, Department of Geodetic Science and Surveying (R. H. Rapp), 1 April 1982 through 31 March 1983. (Project 760056 - Continuation)

\$38,233.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Survival Factors (Nodes, Histology), E-B Virus-Nasopharyngeal Carcinoma, Department of Otolaryngology (D. E. Schuller), 1 April 1982 through 31 March 1983. (Project 761591 - Continuation)

\$35,962.00 - Department of Energy, Lawrence Berkeley Laboratory, University of California, Berkeley, California, Thermodynamic Framework for Estimating the Efficiencies of Alkaline Batteries, Department of Metallurgical Engineering (D. D. Macdonald), 1 March 1982 through 31 March 1983. (Project 762132 - Continuation)

\$35,600.00 - National Science Foundation, Washington, D. C., Spectroscopic Studies of Active Galaxies and Quasi-Stellar Objects, Department of Astronomy (B. M. Peterson), 1 April 1982 through 31 March 1983. (Project 763049 - Continuation)

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$31,494.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine - Administration (R. A. Wright), 1 April 1982 through 31 March 1983. (Project 762776 - Continuation)

\$29,100.00 - National Science Foundation, Washington, D. C., Arithmetic Theory of Integral Quadratic Forms, Department of Mathematics (J. S. Hsia), 1 July 1982 through 30 June 1984. (Project 763059 - Continuation)

\$28,500.00 - Department of the Navy, Naval Ocean Systems Center, San Diego, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter, R. J. Marhefka, and R. C. Rudduck), 1 April 1982 through 31 July 1982. (Project 761784 - Continuation)

\$20,450.00 - National Science Foundation, Washington, D. C., Harmonic Analysis, Invariant Means, Random Walks and Phase Retrieval (Mathematics), Department of Mathematics (J. M. Rosenblatt), 1 July 1982 through 30 June 1984. (Project 762290 - Continuation)

\$13,830.00 - National Science Foundation, Washington, D. C., Monographic Study of the Genus *Coreopsis* (Compositae), Department of Botany (D. J. Crawford), 1 May 1983 through 30 April 1984. (Project 763060 - New)

\$12,713.00 - National Science Foundation, Washington, D. C., Unitary Group Methods for the Electron Correlation Problem, Department of Chemistry (I. Shavitt), 15 April 1982 through 31 October 1982. (Project 763056 - New)

\$4,782.00 - Department of Labor, Employment and Training Administration, Washington, D. C., The Conduct of a Conceptual Analysis of the Occupational Outlook Handbook, The National Center for Research in Vocational Education (R. E. Taylor), 1 March 1982 through 30 April 1982. (Project 763067 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$3,322,906.88**

**State of Ohio Research Contracts/Grants**

\$175,026.00 - State of Ohio, Department of Education, Division of Vocational Education, Ohio Occupational Information Coordinating Committee, Columbus, Ohio, The Occupational Employment Statistics Survey Program in Ohio for Non-Manufacturing (Primarily Trade), 1982, Academic Faculty of Labor and Human Resources (S. C. Kelley, H. R. Blaine, and M. Sandver), 1 March 1982 through 31 August 1983. (Project 763055 - Continuation)

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$10,000.00 - State of Ohio, Ohio Air Quality Development Authority, Columbus, Ohio, Review and Analysis of Past and Current Research Relating to the Effects of Acid Deposition and Aquatic Systems, Center for Lake Erie Area Research (C. E. Herdendorf), 1 March 1982 through 30 June 1982. (Project 763006 - New)

\$9,800.00 - State of Ohio, Department of Education, Division of Vocational Education, Career Development Service, Columbus, Ohio, Coordination of State-wide Career Education Activities, Academic Faculty of Special Services (J. J. Quaranta), 1 February 1982 through 30 September 1982. (Project 763053 - New)

\$4,800.00 - State of Ohio, Department of Education, Columbus, Ohio, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

\$3,850.00 - State of Ohio, Environmental Protection Agency, Columbus, Ohio, Phosphorus Fertility Management Demonstration Project for Defiance Area Soils High in Available Phosphate, Cooperative Extension Service - State Operations (T. L. Jones), 1 January 1982 through 31 December 1982. (Project 763065 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS**                                    **\$ 203,476.00**

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**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$300,000.00 - TEAM, Associates, Inc., Washington, D. C., Job Corps University Center, The National Center for Research in Vocational Education (R. E. Taylor), 22 March 1982 through 30 September 1982. (Project 763062 - New)

\$171,390.00 - Electric Power Research Institute, Palo Alto, California, An Advanced Prototype System for Locating and Mapping Underground Obstacles, Department of Electrical Engineering, ElectroScience Laboratory (R. Caldecott), 1 April 1982 through 31 December 1982. (Project 760604 - Continuation)

\$120,276.00 - West Virginia Public Service Commission, Charleston, West Virginia, Rate Design and Computer Technical Assistance to the West Virginia Public Service Commission Concerning Cogeneration and Small Power Production Rates and Terms, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 1 March 1982 through 30 June 1982. (Project 763022 - New)

\$78,586.00 - City of Columbus, Department of Finance, Columbus, Ohio, Quality of Working Life Demonstration Effort, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (D. M. Ronchi), 15 January 1982 through 30 June 1982. (Project 760790 - Continuation)

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$30,874.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Relation Between Microstructure and Fracture Toughness in a High Toughness, Complex, Low Alloy Steel, Department of Metallurgical Engineering (J. P. Hirth), 1 January 1982 through 31 December 1982. (Project 763047 - New)

\$30,000.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Task Visibility and Worker Productivity Under Selected Light Sources Having Restricted Spectral Distributions, Department of Microbiology (H. R. Blackwell), 22 January 1982 through 31 August 1982. (Project 763072 - New)

\$20,000.00 - Transamerica Delaval, Inc., Trenton, New Jersey, Electrochemical Reactivity and Stress Corrosion Cracking of Turbine Disc Alloys, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 30 June 1982. (Project 761965 - Continuation)

\$11,970.00 - American Academy of Physician Assistants, Arlington, Virginia, Physician Assistant Self-Assessment, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 May 1982 through 30 June 1982. (Project 763054 - Continuation)

\$9,496.00 - Ministry of Education, Kuala Lumpur, Malaysia, Malaysian Staff Training Program III, The National Center for Research in Vocational Education (R. E. Taylor), 5 April 1982 through 30 April 1982. (Project 763061 - New)

\$3,041.00 - Westinghouse Electric Electronics and Services, Ltd., County Clare, Ireland, Vocational Training Component Subcontract (World Bank/MOI Egypt), The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1982 through 30 April 1983. (Project 762480 - Continuation)

\$2,500.00 - United Nations Industrial Development Organization, Vienna, Austria, Establishing a Training Information Delivery System for Developing Countries, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 30 November 1981. (Project 763064 - New)

\$1,515.00 - State of Iowa, Department of Public Information, Des Moines, Iowa, Technical Planning Assistance to the Iowa Department of Public Instruction, The National Center for Research in Vocational Education (R. E. Taylor). 1 April 1982 through 31 May 1982. (Project 768039 - Continuation)

\$1,000.00 - Ohio Academy of Family Physicians, Columbus, Ohio, An Empirical Assessment of Occupational Stress and Coping in Family Medicine Residency Training, Teaching, and Practice, Department of Family Medicine (D. E. Alexander), 1 January 1982 through 30 November 1982. (Project 763052 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-  
FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$ 780,648.00**

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Supported Research and Development**

\$14,230.00 - Various industries for "Microjoining," Center for Welding Research, for balance of FY82. (EES 529507, Extension 1)

\$12,830.00 - Various industries for "Steel Weldability," Center for Welding Research, for balance of FY82. (EES 529508, Extension 1)

\$297,896.00 - Various industries for 50 development projects under the direction of nine engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SUPPORTED  
RESEARCH AND DEVELOPMENT** **\$ 324,956.00**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal and State Contracts/Grants**

\$211,360.00 - Environmental Protection Agency, Washington, D. C., continued support of a study on factors affecting composting of municipal sludge in a bioreactor, Department of Plant Pathology, to October 21, 1982. (Contract No. CR-807791-01-1, Amendment No. 1)

\$45,000.00 - Agency for International Development, Agricultural/Nutrition Branch, Washington, D. C., support of Second International Maize Virus Disease Colloquium and Workshop, Departments of Entomology and Plant Pathology, January 1, 1982 to December 31, 1983. (Contract No. DAN-1406-G-SS-2006-00)

\$38,000.00 - State of Ohio, Department of Energy, Columbus, Ohio, support of a study on energy management in commercial greenhouses with a portable polystyrene pellet system, Department of Agricultural Engineering, May 1, 1982 to February 28, 1983. (Contract No. 82-81)

\$35,000.00 - Agricultural Research Service, Peoria, Illinois, support of a study on corn yields as affected by seasonal and long-term cropping history differences in soil structural and surface residue conditions, Department of Agronomy, April 15, 1982 to April 1, 1984. (Agreement No. 58-519B-2-1132)

\$13,159.00 - Grants Administrative Management Office, Science and Education Administration, U. S. Department of Agriculture, Arlington, Virginia, continued support of the Ohio Program for the National Pesticide Impact Assessment Program, to September 30, 1984. (Agreement No. 80-CSRS-2-0517)

**TOTAL - FEDERAL AND STATE CONTRACTS/GRANTS** **\$ 342,519.00**

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Industrial or Other Contract/Grant

\$8,250.00 - Robinson Hybrids, Inc., Delaware, Ohio, continued support of a study on early corn inbred development, Department of Agronomy, January 1 to December 31, 1982.

Gift of \$5,000 or More

\$24,500.00 - City of Wooster, Wooster, Ohio.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$30,000.00 Columbia Gas, Charleston, West Virginia--\$26,000.00 for Biological Environmental Research Fund and \$4,000.00 for Neotoma Research Fund.

\$25,000.00 Kaplan Halpert Foundation, Inc., Columbus, Ohio, for Jack M. George Fund.

\$23,540.00 Nationwide Insurance, Columbus, Ohio--\$10,000.00 for Cooperative Business Policy Fund; \$7,500.00 for Student Athlete Grant-in-Aid Fund; and \$6,040.00 for WOSU Support Fund.

\$22,094.00 C. F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$21,400.00 The Columbus Foundation, Columbus, Ohio, for The Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law Fund.

\$20,040.00 Battelle Memorial Institute, Columbus, Ohio, for WOSU Support Fund.

\$20,000.00 Bremer Foundation, Youngstown, Ohio, for Bremer Foundation Fund.

\$17,000.00 Gund Foundation, Cleveland, Ohio, for Extension Cuyahoga Fund.

\$15,293.86 Retinal Consultants, Columbus, Ohio--\$12,993.04 for Retina Research Fund and \$2,300.82 for Ophthalmology Photography Fund.

\$15,141.00 SmithKline Corporation, Philadelphia, Pennsylvania--\$9,586.00 for Visconti SmithKline Fund; \$5,500.00 for SmithKline Veterinary Fellowship Fund; and \$55.00 for undesignated purposes.



June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$15,000.00 Agronomic Research Foundation, Inc., Atlanta, Georgia, for Potash and Phosphate Fund.
- \$13,227.29 University Eye Surgeons, Inc., Columbus, Ohio--\$13,109.29 for Eye Bank Fund and \$118.00 for Ophthalmology Photography Fund.
- \$13,225.00 Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Scholarship Fund.
- \$12,620.00 Adria Laboratories, Columbus, Ohio--\$12,500.00 for Cardiovascular Research Fund; \$70.00 for Friends of WOSU; and \$50.00 for M. S. Newman Professorship.
- \$12,000.00 Glass Packing Institute, Washington, D. C., for Engineering Mechanics Discretionary Fund.
- \$11,000.00 Dow Chemical USA, Midland, Michigan--\$8,000.00 for Dow Chemical Fellowship and \$3,000.00 for Dow Research Fellowship.
- \$11,000.00 F. & R. Lazarus & Co., Columbus, Ohio--\$7,000.00 for Student Athlete Grant-in-Aid Fund and \$4,000.00 for WOSU Support Fund.
- \$10,881.00 National Action Minority in Engineering, Inc., New York, New York, for Affirmative Action Fund.
- \$10,120.00 Atlantic Richfield Foundation, Los Angeles, California--\$10,000.00 for Chemical Engineering Campaign; \$100.00 for Chemical Engineering Support Fund; and \$20.00 for undesignated purposes.
- \$10,050.00 The E. F. Wildermuth Foundation, Columbus, Ohio, for Wildermuth Memorial Scholarship.
- \$10,000.00 Mid-Ohio Auto, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$10,000.00 Reinberger Foundation, Cleveland, Ohio, for The Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law Fund.
- \$10,000.00 Mrs. Ann Shagrin, Youngstown, Ohio, for Drs. M. H. and M. E. Speck Fund.
- \$10,000.00 Union Oil of California, Los Angeles, California, for Chemical Engineering Campaign.

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 9,394.35 Marianne Kaelbling, Columbus, Ohio, for Kaelbling Memorial Fund.
- \$ 8,000.00 Procter and Gamble Company, Cincinnati, Ohio, for Procter and Gamble Company Fund.
- \$ 7,500.00 Hoffmann-LaRoche Foundation, Nutley, New Jersey, for Endocrine-Tumor Research Fund.
- \$ 7,000.00 Dresser Industries, Inc., Dallas, Texas, for Student Athlete Grant-in-Aid Fund.
- \$ 7,000.00 Eli Lilly and Company, Indianapolis, Indiana, for Eli Lilly Organic Chemistry Fund.
- \$ 6,500.00 Shell Development, Houston, Texas, for Mechanical Engineering Coal Combustion Fund.
- \$ 5,810.00 John Blaisdell, Columbus, Ohio, for Food Science and Nutrition Fund.
- \$ 5,200.00 Conoco, Inc., Houston, Texas--\$5,000.00 for Mechanical Engineering Coal Combustion Fund and \$200.00 for undesignated purposes.
- \$ 5,100.00 Bank One of Columbus, Columbus, Ohio--\$4,000.00 for Student Athlete Grant-in-Aid Fund; \$1,000.00 for Medicine Seminar; and \$100.00 for special projects.
- \$ 5,031.00 Antique Show and Sale, Columbus, Ohio, for Presidents Club Special Fund.
- \$ 5,000.00 Beasley Industries, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 5,000.00 Northrop Corporation, Los Angeles, California, for Aeronautical and Astronautical Engineering Fund.
- \$ 5,000.00 Ohio Farm Bureau, Columbus, Ohio--\$2,500.00 for Cooperative Business Policy Fund and \$2,500.00 for Kottman Scholars Fund.
- \$ 5,000.00 Systems Total Communication, New Kensington, Pennsylvania, for OSU Scholarship Fund.

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Roy M. Kottman Scholars Program**

The Roy M. Kottman Scholars Program was established June 10, 1982, by the Board of Trustees of The Ohio State University with gifts from alumni, friends, and colleagues of Roy M. Kottman, Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics and Natural Resources.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to support undergraduate scholarship(s) for students enrolled in education programs administered by or through the College of Agriculture and Home Economics. Scholarships will be awarded by the Office of Student Financial Aids based upon the recommendations of the Roy M. Kottman Scholars Selection Committee. Basis for the awards will encompass high academic achievement, demonstrated leadership, strong communication skills, enthusiasm, and dedication. Financial need will not be a primary consideration.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Vice President for Agricultural Administration or from the appropriate administrative official of the University who is then responsible for study related to the field of agriculture.

**The John H. Moore Memorial Loan Fund**

The John H. Moore Memorial Loan Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Ola K. Moore, Marion, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for loans to needy and worthy students at the OSU Marion Campus, preferably those who intend to enter the fields of architecture, engineering or medicine, with architecture as the first preference. The selection of the recipient(s) is to be made in cooperation with the Dean of the OSU Marion Campus.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever at the Marion Campus of OSU as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the education of students in and from the Marion, Ohio, area.

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Richard Stow Research & Lectureship Fund**

The Richard Stow Research & Lectureship Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Toshihio Tajima, M.D., Miyazaki-ken 881, Japan.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or the annual income is to be used to provide a resident research award. In addition, an honorarium and travel expenses are to be given to a visiting lecturer. These awards are to be presented at the Richard Stow Awards Banquet which is held yearly.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Medicine.

**The Dr. Vincent Cranston Ward Memorial Scholarship Fund**

The Dr. Vincent Cranston Ward Memorial Scholarship Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Lawrence B. Leiby, CDR USNR (Ret.), B.A. '40, Geology, in honor and memory of his friend and benefactor, Dr. Vincent Cranston Ward, M.D. '29.

This gift is to be invested in the University's Investment Portfolio under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

Ten percent (10%) of the annual income is to be applied to the principal each year with the remaining ninety percent (90%) of the income used to provide a scholarship, with first preference to a student who is a resident of Wayne County, Ohio, and who is a first-year student in the College of Medicine. Second preference shall be given to a student who resides in Delaware County. Third preference shall be given to a student who resides in Ashland County. The scholarship is renewable for so long as the student maintains the appropriate academic and need criteria.

Should the need for this scholarship cease to exist or so diminish as to provide unused income, then the income shall be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to assist in research in heart disease and psoriasis.

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The David Z. Saylor Memorial Award**

The David Z. Saylor Memorial Award was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund by Anne C. and Mark L. Saylor in memory of their son, David Z. Saylor, M.D., who was awarded his degree posthumously June, 1980.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide an award to the senior medical student who exhibits outstanding proficiency in the Cardiovascular Teaching Laboratory. The selection shall be made by the Cardiology Division Director, Department of Internal Medicine, College of Medicine of The Ohio State University.

Should the need for this fund cease to exist or so diminish as to provide unused funds, then the income may be used for any medical purpose whatsoever as determined by the Board of Trustees in conjunction with a representative of the family heirs, who shall jointly decide the distribution of the income and its specific purpose.

**Allan C. Barnes Endowment Fund**

The Allan C. Barnes Endowment Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni, residents, fellows, and friends from The Ohio State University, Case Western Reserve University, and Johns Hopkins University.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support scholarly activities including lectureships in the name of the fund.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Medicine.

June 10, 1982 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The William Ray Flesher Professorship in Educational Administration Fund**

The William Ray Flesher Professorship in Educational Administration Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Marie Adamson Flesher, M.A. '35, Ph.D. '51, and William Ray Flesher, M.A. '35, Ph.D. '42, of Little Rock, Arkansas. The name of the fund is to be changed to "The William Ray and Marie Adamson Flesher Professorship in Educational Administration" after the demise of Dr. Marie A. Flesher.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the work of a distinguished scholar in the field of educational administration. Appointment to the Flesher Professorship will be recommended by the Dean of the College of Education to the Provost and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for educational administration.

##### **The Adelaide "Babs" McNamara Memorial Fund**

The Adelaide "Babs" McNamara Memorial Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University. The fund is made possible by gifts from the friends and family of Adelaide McNamara, a graduate of the College of Law.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income from this fund is to be used to support programs in the College of Law directed at enhancing the enrollment of, and dealing with the special problems of, female law students. The income may also be used to help with the special problems presented by a law student parent with primary responsibility for the care of a minor child or children. The Dean of the College of Law shall determine how to spend the income to achieve these purposes.

June 10, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Establishment of Named Funds (contd)

The Adelaide "Babs" McNamara Memorial Fund (contd)

Should the need for The Adelaide "Babs" McNamara Memorial Fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

Change in Name and Description of Named Fund

The Newton D. Baker Memorial Fund

The Newton D. Baker Memorial Scholarship Fund was established February 1, 1974, by the Board of Trustees of The Ohio State University with initial gifts from John D. Drinko, LL.B. '44, of the law firm of Baker, Hostetler and Patterson, Cleveland, Ohio, and several of his friends in memory of the firm's founder, Newton D. Baker, who was also a loyal benefactor and Chairman of the Board of Trustees of The Ohio State University.

All gifts allocable to this fund are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to support the Newton D. Baker Designated Professorship of Law. The designated professorship is created to recognize the work of a distinguished scholar and teacher in the College of Law. Appointment to the Newton D. Baker Designated Professorship of Law will be recommended to the Provost by the Dean of the College of Law for approval by the Board of Trustees. If at any time the annual income is greater than that necessary in the opinion of the Dean of the College of Law to support the designated professorship, or if the designated professorship should be vacant, the available income may, in the discretion of the Dean of the College of Law, be added to the principal of the fund, used to award a Newton D. Baker scholarship to one or more students in need of financial aid, or for one or more Newton D. Baker Summer Research Fellowships for faculty members of the College of Law.

A designated professorship will be established initially, and at such time as sufficient funds are made available, the faculty position will be converted to an endowed professorship.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for law education.

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June 10, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS**

Resolution No. 82-121

*Synopsis: Approval of plans and specifications for the following project is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**WOODRUFF AVENUE - REPAIR AND RESURFACE  
FROM NEIL AVENUE TO HIGH STREET**

Project: To repair damaged areas of Woodruff Avenue from Neil Avenue to High Street in preparation for the installation of a 2½" asphalt overlay. This is the final phase of Woodruff Avenue sidewalk, curb, and road repairs.

Funding: 1982-83 Contract Repair (B/A 210134) -  
Pending approval of the 1982-83 Contract Repair budget.

Estimated Project Cost: \$59,000

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-122

*Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.*



June 10, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

**JESSE OWENS MEMORIAL PLAZA**

Description: This project consists of restoration of the north end of Ohio Stadium, removal of existing parking lot pavement, construction of a new pedestrian plaza and associated landscaping work needed to provide a setting for a statue/memorial honoring Jesse Owens.

**General Contract**

Date Received:	May 11, 1982
No. of Bids:	3
Low Bid:	\$357,412.00
High Bid:	\$445,966.00
Estimate of Cost:	\$392,569.00
Awarded to:	The Righter Company, Inc., Columbus, Ohio

**Electrical Contract**

Date Received:	May 11, 1982
No. of Bids:	7
Low Bid:	\$ 37,863.00
High Bid:	\$ 54,700.00
Estimate of Cost:	\$ 54,000.00
Awarded to:	Eastmoor Electrical Contractors, Inc., Columbus, Ohio

Total All Contracts:	\$395,275.00
Total Contingency Allowance:	\$ 20,452.70 which is 5 per cent of construction contracts
Total Project Cost:	\$424,000.00
Funding:	H.B. 552, Line Item 315-147 (81-83 Biennium) and Local Funds, Budget Account 882048

June 10, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

**JESSE OWENS MEMORIAL PLAZA (contd)**

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project fund and contingency fund for the project listed above are hereby approved.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PURCHASE OF REAL PROPERTY  
143 ACRES IN WAYNE COUNTY, OHIO**

Resolution No. 82-123

*Synopsis: Authorization to purchase two parcels of real property in Wayne County, Ohio, is requested.*

WHEREAS the Carl E. and Edith Schaffter real property comprising 99 acres, more or less, improved with a residence, bank barn, equipment storage, and other buildings, described as being the west half of the southeast quarter of Section 23 and part of the northwest corner of the northeast quarter of Section 16 in Franklin Township, Wayne County, Ohio, is being offered for sale; and

WHEREAS the Alden and May Schaffter real property comprising 44 acres, more or less, and described as being part of the east part of the southeast quarter of Section 23 in Franklin Township, Wayne County, Ohio, is being offered for sale; and

WHEREAS the west boundary of the Alden and May Schaffter property is common to the east boundary of the Carl E. and Edith Schaffter property, forming a single contiguous unit of 143 acres, more or less, located adjacent to property of the Ohio Agricultural Research and Development Center; and

WHEREAS over the years the expansion of physical facilities and programs at OARDC and the Agricultural Technical Institute has infringed on research plot land availability, and the purchase of these two properties will alleviate this loss and provide uniform soil and topographic plot land relatively virgin and free from repeated fertility, tillage, chemical and other research treatments, and the release of land presently utilized by the Department of Agronomy for all aspects of agronomic crop research is needed for use by the Departments of Plant Pathology and Entomology for pest management and related research; and

June 10, 1982 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY  
143 ACRES IN WAYNE COUNTY, OHIO (contd)**

WHEREAS the proximity of these two properties will provide operating efficiencies which purchases of non-adjacent land would not provide; and

WHEREAS funds are available from Captial Improvements Appropriation No. 320-029 contained in Amended Substitute House Bill 552; and

WHEREAS these properties and improvements have been appraised at values of \$275,600 and \$275,000 for the Carl E. and Edith Schaffter property and \$103,500 and \$101,200 for the Alden and May Schaffter property; and

WHEREAS the Vice President for Agricultural Administration and the Acting Director of OARDC have negotiated with the owners for purchase prices of \$275,000 (Carl E. and Edith Schaffter), and \$100,000 (Alden and May Schaffter), contingent upon Board of Trustees approval:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to purchase, in the name of the State of Ohio for the use of The Ohio State University, the property owned by Carl E. and Edith Schaffter at a price of \$275,000 and the property owned by Alden and May Schaffter at a price of \$100,000.

Upon motion of Mr. Galbreath, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

--0--

**EASEMENT - WEST OHIO GAS COMPANY**

Resolution No. 82-124

*Synopsis: Renewal of gas line easement on the Lima Campus is proposed.*

WHEREAS in 1966 the University granted to the West Ohio Gas Company an easement consisting of a twenty-foot wide strip of land and a fifteen-foot wide strip of land each for a gas pipeline to serve University buildings on the Lima Campus; and

WHEREAS this easement expired in 1981, and the University has received a request from the West Ohio Gas Company to renew the easement for a period of fifteen years upon the same terms and conditions as the original easement; and

WHEREAS the gas lines for which the easement is requested serve only University facilities; and

June 10, 1982 meeting, Board of Trustees

**EASEMENT - WEST OHIO GAS COMPANY (contd)**

WHEREAS the appropriate agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easement.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

--O--

**EASEMENT - OHIO EDISON COMPANY**

Resolution No. 82-125

*Synopsis: Renewal of a transmission line easement on the Marion Campus is proposed.*

WHEREAS in 1967 the University granted to the Ohio Edison Company an easement consisting of a ten-foot wide strip of land for a 12 KV transmission line and for a primary tap to serve University buildings on the Marion Campus; and

WHEREAS this easement expires November 16, 1982, and the University has received a request from the Ohio Edison Company to renew the easement for a period of fifteen years upon the same terms and conditions as the original easement; and

WHEREAS the transmission line for which the easement is requested will serve University facilities; and

WHEREAS the appropriate agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easement.

Upon motion of Mr. Redman, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

--O--

June 10, 1982 meeting, Board of Trustees

**GAS LINE EASEMENT TO FREDERICK PETROLEUM CORPORATION,  
NOBLE COUNTY, OHIO**

Resolution No. 82-126

*Synopsis: Authorization to grant a gas line easement in Noble County is requested.*

WHEREAS the Ohio Agricultural Research and Development Center has property in Noble County, known as Unit II of the Eastern Ohio Resource Development Center, for the study of strip mining reclamation; and

WHEREAS the Frederick Petroleum Corporation has requested permission to lay a 4" gas line across approximately 9,780 feet of this land to permit them to transmit and sell natural gas from their wells to Columbia Gas Company; and

WHEREAS this line will be located so as not to interfere with any OARDC operations; and

WHEREAS the Frederick Petroleum Corporation will pay OARDC \$5.00 per lineal rod (approximately \$2,960.00) for this easement; and

WHEREAS the appropriate University offices have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for this easement.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

--O--

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 82-127

RESOLVED, That the report on the University's Investment Portfolio, dated May 21, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

--O--

June 10, 1982 meeting, Board of Trustees

**COMMENTS BY PRESIDENT EDWARD H. JENNINGS**

President Jennings:

Mr. Chairman, that completes my report. I would like to just take a minute and to thank Mr. Gilson for all the work he's done for this University during the past year as Chairman of the Steering Committee. Dick, it was a difficult year and any credit that is to be given should be given to you and your colleagues on the Steering Committee as well as the Faculty Council and the University Senate, but without your help, it would have been a much more difficult year and we appreciate that an awful lot.

And, Mr. Asher, welcome; we'll work you over pretty good, too. We've got a politician now. Although, those faculty members who are not politicians are members of the null set--is that--

And we have a great event tomorrow. It's going to be a great event for me--my first time in the Stadium. I tell you, I know I'm going to be in a ton of trouble because I'm told that that event has not been rained out in 31 years, and I'm not anxious to be the first in 31 years to have it rained out. But I would like to note that if the creeks don't rise, we're going to have a new professor at Ohio State University; he won't actually, but now our special assistant for state relations, Bill Napier, an old country boy from Tennessee and I don't see him here, is now going to have to have a little new respect because as of tomorrow afternoon, he will be Dr. Napier; he will be receiving a Ph.D. from Ohio State University in political science, and now he'll really give us trouble because he'll be one of them, right! But I'd like to congratulate Bill. That's all I have, Mr. Chairman.

Thereupon the Board adjourned to meet Friday, July 9, 1982, at Franz Theodore Stone Laboratory, Gibraltar Island, Ohio, at 12:00 noon.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

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RECORD OF PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF THE  
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1982 to June 30, 1983



LD4261

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1982/83

1982-1983

THE OHIO STATE UNIVERSITY

Edward H. Jennings, *President*

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
Warren J Smith, Columbus	January 6, 1975	May 13, 1983
John D. Jacob, Columbus	May 14, 1975	May 13, 1984
Donald James Hilliker, Bellefontaine	May 14, 1976	May 13, 1985
John F. Havens, Delaware	May 14, 1977	May 13, 1986
Daniel M. Galbreath, Columbus	May 14, 1978	May 13, 1987
Edmund C. Redman, Columbus	May 14, 1979	May 13, 1988
Leonard J. Immke, Columbus	May 14, 1980	May 13, 1989
John W. Berry, Dayton	May 14, 1981	May 13, 1990
Shirley Dunlap Bowser, Williamsport	May 14, 1982	May 13, 1991
Hamilton J. Teaford, Columbus	May 14, 1983	May 13, 1992

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-FIRST MEETING  
OF THE BOARD OF TRUSTEES

Gibraltar Island, Ohio, July 9, 1982

The Board of Trustees met at its regular monthly meeting on Friday, July 9, 1982, at Franz Theodore Stone Laboratory, Gibraltar Island, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

July 9, 1982 meeting, Board of Trustees

**ADOPTION OF NEW RULE 3335-5-582 (FISCAL COMMITTEE)  
OF RULES OF THE UNIVERSITY FACULTY**

Resolution No. 83-1

*Synopsis: A new rule 3335-5-582 (Fiscal Committee) is being proposed.*

WHEREAS temporary fiscal committees, advisory to the President, have functioned in the recent past during periods of financial stress; and

WHEREAS the Steering Committee, the Ad Hoc Committee on the Release of Tenured Faculty, and the Select Rules Committee on the Release of Tenured Faculty concur, along with other concerned groups, on the desirability of establishing a permanent, continuing Fiscal Committee, charged to develop and apply fiscal expertise in prosperous as well as recessionary times; and

WHEREAS continuity in consideration of fiscal matters is preferable to crisis orientation; and

WHEREAS functioning of rules now in preparation by the Select Rules Committee presupposes the establishment and operation of a permanent Fiscal Committee:

**RULE**

**3335-5-582 Fiscal committee.**

(A) The fiscal committee shall consist of fifteen members as follows:

- (1) Five members of the university faculty, at least two of whom must be senate members, shall be nominated by the faculty council for three-year terms; two members to be elected the first year, and every third year thereafter, and one member to be elected in each of the other years.
- (2) Two members of the university faculty to be appointed by the president for three-year terms, one member to be appointed the first year and every third year thereafter, and one member initially appointed for a two-year term.
- (3) Four members shall be students: one graduate student appointed by the president of the council of graduate students with the approval of the council of graduate students; one professional student appointed by the president of the graduate-professional council; and two undergraduate students appointed by the president of the undergraduate student government with the approval of the undergraduate student assembly. At least one of the students shall be a member of the university senate; this should be on a rotating basis beginning with the graduate student representatives. Each student member shall be appointed for a two-year term and be eligible for reappointment except the first year, when one of the undergraduate students shall serve a term of only one year.

July 9, 1982 meeting, Board of Trustees

**ADOPTION OF NEW RULE 3335-5-582 (FISCAL COMMITTEE)  
OF RULES OF THE UNIVERSITY FACULTY (contd)**

3335-5-582 Fiscal committee. (contd)

- (4) Two staff members for two-year terms, appointed by the president.
  - (5) Two administration members, appointed by the president, non-voting.
  - (6) The chairman shall be elected from among the voting members of the committee.
  - (7) A voting member who has completed a full term shall not be eligible for appointment or election for one year after such service.
- (B) The committee shall review, on a continuing basis, the fiscal resources of the university and advise the president on the alternatives and strategies for the long-term and short-term allocation of resources among academic and non-academic areas consistent with maintaining the missions of the university. The committee shall have full access to all fiscal documentation it needs to perform its functions. The committee shall analyze resources and budgets from an overall university-wide perspective, rather than making a detailed analysis of the budgets and expenditures of individual units within the university.
- (C) In the event of an imminent financial crisis, the committee will advise the president whether a determination of financial exigency is warranted.
- (D) The committee will report to the university senate at least annually.

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the proposal as approved by the University Senate at its meeting June 8, 1982, for the establishment of a Fiscal Committee, effective July 1, 1982.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Mr. Havens: Is that a regularly scheduled type of meeting group? I see it is 15 people.

President Jennings:

Yes--it would be a--hoping, Jack, that that's going to evolve much more into a longer term planning, and still if we have a financial crisis problem, we're going to have to work with that group. Essentially, the budget recommendations that we made last May were developed by myself, my staff, in consultation with the ad hoc committee that we had formed. We're trying to move this more into a long-range activity for anywhere from general allocations to how we might reallocate funds in the institution to do a better job in the institution. I think this, if you will, institutionalizes it, and frankly, I look forward to working with them.

--o--

July 9, 1982 meeting, Board of Trustees

**WAIVER OF PARAGRAPH (G) OF BYLAW 3335-1-08  
OF THE ADMINISTRATIVE CODE**

Resolution No. 83-2

*Synopsis: Request to waive paragraph (G) of bylaw 3335-1-08 of the Administrative Code for the naming of the Agronomy, Natural Resources and Plant Pathology Building.*

WHEREAS the Board of Trustees of The Ohio State University did, on January 9, 1976, amend paragraph (G) of bylaw 3335-1-08 of the Administrative Code to state "that buildings and structures shall not be named for any person who is an officer or employee of the University or the State of Ohio, but may be named for a person who has been retired or has otherwise left such a position for a minimum of three years"; and

WHEREAS the President wishes to recommend that the Agronomy, Natural Resources and Plant Pathology Building be named to honor Roy M. Kottman who has retired as Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics and Natural Resources:

NOW THEREFORE

BE IT RESOLVED, That paragraph (G) of bylaw 3335-1-08 of the Administrative Code be waived so that the Agronomy, Natural Resources and Plant Pathology Building can be named for a living person.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

--o--

**NAMING OF BUILDING**

Resolution No. 83-3

*Synopsis: Naming of Agronomy, Natural Resources and Plant Pathology Building.*

WHEREAS pursuant to the authority of this Board in naming of all buildings at The Ohio State University as set forth in paragraph (G) of bylaw 3335-1-08 of the Administrative Code; and

WHEREAS the President recommended, with the concurrence of the President's Staff, that the Agronomy, Natural Resources and Plant Pathology Building, located at 2021 Coffey Road, be named in honor of Roy M. Kottman, who is widely known for his leadership in agriculture and served as Dean of the College of Agriculture for 22 years:

NOW THEREFORE

BE IT RESOLVED, That the above described building be named Roy M. Kottman Hall to honor Dr. Kottman.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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July 9, 1982 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT**

Resolution No. 83-4

*Synopsis: Approval is being requested for awarding degrees and certificates for Summer Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on September 2, 1982, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Havens, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**HONORARY DEGREES**

Resolution No. 83-5

*Synopsis: Approval is requested for awarding honorary degrees to three individuals.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

John Wilson Black  
Russell W. Peterson  
G. Ledyard Stebbins

Doctor of Humane Letters  
Doctor of Humane Letters  
Doctor of Science

NOW THEREFORE

BE IT RESOLVED, That the above honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipients.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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July 9, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 83-6

*Synopsis: Amendments to Bylaws of the Board of Trustees and Rules of the University Faculty are proposed to reflect title changes and the delineation of responsibilities in accordance with the recommended restructuring of the University administration.*

WHEREAS as a part of the restructuring of the university administration, amendments to the Bylaws of the Board of Trustees and Rules of the University Faculty are necessary to effectuate the changes proposed; and

WHEREAS paragraph (E) of bylaw 3335-1-03 and rule 3335-3-05 set forth the members of the president's staff and incorporate changes made pursuant to the proposed restructuring of the central administration of the University; and

WHEREAS the recommendation is being made to change the title of the position of provost to that of vice president for academic affairs and provost, and to accommodate this change, bylaw 3335-1-03 paragraph (F) and rule 3335-3-06 need to be amended; and

WHEREAS a new position to be known as vice president for research and graduate studies is being proposed which requires the addition of paragraph (O) to bylaw 3335-1-03 and new rule 3335-3-154; and

WHEREAS the position of vice president for health sciences is being eliminated and the new position of vice president for health services is being recommended with responsibilities as set forth in paragraph (J) of bylaw 3335-1-03 and new rule 3335-3-12; and

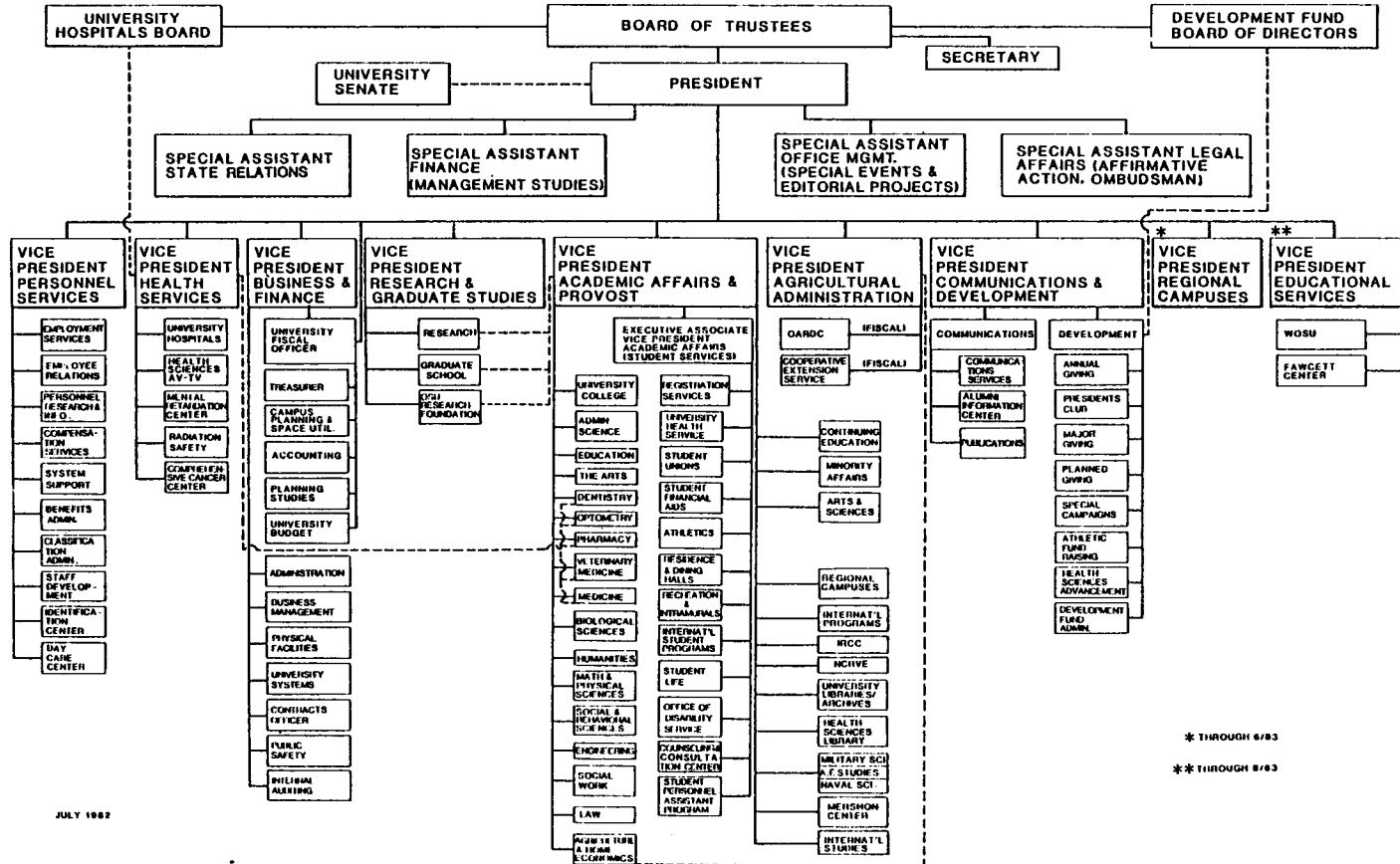
WHEREAS with the elimination of the Office of Vice President for Health Sciences, modifications of paragraph (S) of bylaw 3335-1-03 and rule 3335-3-22 are necessary, and to abolish the health sciences council paragraph (V) of bylaw 3335-1-03 and rule 3335-5-481 are hereby recommended for deletion from the publication in the future; and

WHEREAS a new reporting relationship is being proposed for the Office of Student Services, i.e., to report through the Office of Academic Affairs, with the head of that office to be designated the executive associate vice president for academic affairs (student services) these changes to be accomplished through the deletion of paragraph (I) of bylaw 3335-1-03, the elimination of rule 3335-3-09, and the addition of a new rule 3335-3-174; and

WHEREAS to further the updating of the Bylaws of the Board of Trustees and Rules of the University Faculty it is recommended that the proposed title changes/designations be made in all applicable bylaws and rules and shall be incorporated in the next printing of these official documents; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the rule changes as printed on the following pages are proposed:

# ORGANIZATION OF THE OHIO STATE UNIVERSITY



\* THROUGH 6/83  
 \*\* THROUGH 8/83

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

**BYLAWS**

**3335-1-03 Administration of the university.**

**(E) The president's staff.**

(1) The president's staff shall consist of the president; the vice president for academic affairs and provost; the vice president for business and finance; the vice president for health services; the vice president for regional campuses; the vice president for educational services; the vice president for personnel services; the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; the vice president for university communications and development; the vice president for research and graduate studies; the university fiscal officer; the executive associate vice president for academic affairs (student services); and special assistants.

(F) Vice president for academic affairs and provost. The major area of responsibility and authority of the vice president for academic affairs and provost shall be that of the instructional and faculty affairs of the university. Without limiting the generality of the foregoing, the vice president for academic affairs and provost shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: providing coordinated leadership for the development and evaluation of curricular patterns and teaching methods; the selection, promotion, professional development, tenure and salary of instructional staff; through the office for the coordination of minority affairs and in cooperation with the other existing agencies of the university, the development and maintenance of supplemental programs for the recruitment, orientation, counseling, tutoring, and financial assistance for minority students and the search for necessary funds to support these programs; through the constituent academic divisions, the appraisal of the effectiveness of academic counseling and devising the organization and procedures to improve its effectiveness; the development of the services of the university libraries and other learning resources; in cooperation with the vice president for research and graduate studies, the coordination of research with instruction; the development of instructional programs of the departments of air force aerospace studies, military science and naval science; in cooperation with the vice president for regional campuses, the development of the four regional campuses; and as a deputy of the president of the university, the coordination of all matters administratively assigned to the other vice presidents of the university which relate to the academic program of the university.

(J) Vice president for health services. The major area of responsibility and authority of the vice president for health services shall be that of the health services of the university. Without limiting the generality of the foregoing, the vice president for

July 9, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION-  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

**3335-1-03 Administration of the university. (contd)**

health services shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the university hospitals; medical audio-visual and TV center; mental retardation center; radiation safety center; comprehensive cancer center; center for continuing medical education; computer-assisted instruction for community hospitals; and agreements and cooperative arrangements with various regional and governmental hospitals.

(O) The vice president for research and graduate studies. The major area of responsibility and authority of the vice president for research and graduate studies shall be that of encouraging, stimulating, and coordinating the research programs of the university. Without limiting the generality of the foregoing, the vice president for research and graduate studies shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: developing broad policies and operating procedures for the research activities of the university; stimulating research developments and assisting in the evaluation of the total research program of the university; providing advice and assistance to college research administrators as they develop their research programs within the college; supplying coordinated leadership in securing governmental, industrial, and individual support for the research programs of the university; developing the interdepartmental and inter-college cooperative arrangements for the administration of the research projects; in cooperation with the vice president for academic affairs and provost and the dean of the graduate school, assist in the coordination of the research programs and the instructional program of the university; and in cooperation with the vice president for business and finance, be responsible for developing the contracting procedures and contract terms for sponsored research undertaken by the colleges and divisions of the university.

(R) Council of deans.

(1) The president of the university, the vice president for academic affairs and provost, the deans of the colleges, the associate provost for instruction, the vice president for research and graduate studies, the deans/directors of the regional campuses, the vice provost for arts and sciences, and the director of libraries shall comprise the council of deans of the university. The president shall be chairman of the council, the provost shall be vice chairman, and the provost's designee shall serve as secretary. In the temporary absence of the president, the duties of the presiding officer shall be assumed by the provost.

(2) The council of deans shall meet on the call of the chairman. The council of deans shall serve as an advisory council to the president.

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

**RULES**

**3335-3-05 President's staff.\***

- (A) The president's staff shall consist of the president; the vice president for academic affairs and provost; the vice president for business and finance; the vice president for health services; the vice president for regional campuses; the vice president for educational services; the vice president for personnel services; the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; the vice president for university communications and development; the vice president for research and graduate studies; the university fiscal officer; the executive associate vice president for academic affairs (student services); and special assistants.
- (C) Assignment of specific areas of responsibility to members of the president's staff shall be made by the president with the approval of the board of trustees. (B/T 10/5/73, B/T 4/6/79, B/T 4/4/80, B/T 12/10/81, B/T 5/7/82, B/T 6/10/82, B/T 7/9/82)

**3335-3-06 Vice president for academic affairs and provost.\***

- (A) The vice president for academic affairs and provost shall be the executive head of the office of academic affairs and is the chief academic officer of the university.
- (B) The major area of responsibility and authority of the vice president for academic affairs and provost shall be that of the instructional and faculty affairs of the university. Without limiting the generality of the foregoing, the vice president for academic affairs and provost shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: providing coordinated leadership for the development and evaluation of curricular patterns and teaching methods; the selection, promotion, professional development, tenure and salary of instructional staff; through the office for the coordination of minority affairs and in cooperation with the other existing agencies of the university, the development and maintenance of supplemental programs for the recruitment, orientation, counseling, tutoring, and financial assistance for minority students and the search for necessary funds to support these programs; through the constituent academic divisions, the appraisal of the effectiveness of academic counseling and devising the organization and procedures to improve its effectiveness; the development of the services of the university libraries and other learning resources; in cooperation with the vice president for research and graduate studies, the coordination of research with instruction; the development of instructional programs of the departments of air

\*Rule initiated by board of trustees.

July 9, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-06 Vice president for academic affairs and provost.\* (contd)

force aerospace studies, military science and naval science; in cooperation with the vice president for regional campuses, the development of the four regional campuses; and as a deputy of the president of the university, the coordination of all matters administratively assigned to the other vice presidents of the university which relate to the academic program of the university.

- (C) The principal administrative officials of the office of the vice president for academic affairs and provost shall include such associates as may be authorized from time to time. (B/T 7/9/82)

3335-3-12 Vice president for health services.\*

- (A) The vice president for health services shall be the executive head of the office of health services.
- (B) The major area of responsibility and authority of the vice president for health services shall be that of the health services of the university. Without limiting the generality of the foregoing, the vice president for health services shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the university hospitals; medical audio-visual and TV center; mental retardation center; radiation safety center; comprehensive cancer center; center for continuing medical education; computer-assisted instruction for community hospitals; and agreements and cooperative arrangements with various regional and governmental hospitals.
- (C) The principal administrative officials in the office of health services shall include such other associates as may be authorized from time to time. (B/T 7/9/82)

3335-3-154 Vice president for research and graduate studies.\*

- (A) The vice president for research and graduate studies shall be the executive head of the office of research and graduate studies.
- (B) The major area of responsibility and authority of the vice president for research and graduate studies shall be that of encouraging, stimulating, and coordinating the research programs of the university. Without limiting the generality of the foregoing, the vice president for research and graduate studies shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: developing broad policies and operating procedures for the research activities of the university; stimulating

\*Rule initiated by board of trustees.

July 9, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-154 Vice president for research and graduate studies. \* (contd)

research developments and assisting in the evaluation of the total research program of the university; providing advice and assistance to college research administrators as they develop their research programs within the college; supplying coordinated leadership in securing governmental, industrial, and individual support for the research programs of the university; developing the interdepartmental and inter-college cooperative arrangements for the administration of the research projects; in cooperation with the vice president for academic affairs and provost and the dean of the graduate school, assist in the coordination of the research programs and the instructional program of the university; and in cooperation with the vice president for business and finance, be responsible for developing the contracting procedures and contract terms for sponsored research undertaken by the colleges and divisions of the university.

- (C) The principal administrative officials in the office of research and graduate studies shall include the executive director of the Ohio state university research foundation and such other associates as may be authorized from time to time. (B/T 7/9/82)

3335-3-174 Executive associate vice president for academic affairs (student services).\*

- (A) There shall be an executive associate vice president for academic affairs (student services) in the office of the vice president for academic affairs and provost.
- (B) The authority of the executive associate vice president for academic affairs (student services) shall be that of the administration of the student services of the university. Without limiting the generality of the foregoing, the executive associate vice president for academic affairs shall, under the direction of the vice president for academic affairs and provost, be responsible for: the development and administration of policies and operating procedures for registration services including admissions, registration, records, and scheduling; the promulgation of rules governing student conduct both on and off campus; the coordination of student extracurricular activities including all student (or student-connected) organizations; the administration of all residence and dining hall facilities; non-academic student discipline; the student health service including primary responsibility for university-wide environmental health and safety; student union facilities and programs; student athletic programs including intercollegiate athletics, recreation and intramural programs; counseling; office for disability services; student financial aids and scholarships; student personnel assistant program; off-campus student housing; and international student programs.
- (C) The principal administrative officials of the office of the executive associate vice president for academic affairs (student services) shall include such associates as may be authorized from time to time. (B/T 7/9/82)

\*Rule initiated by board of trustees.

July 9, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--  
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-22 Council of deans.\*

- (A) The president of the university, the vice president for academic affairs and provost, the deans of the colleges, the associate provost for instruction, the vice president for research and graduate studies, the deans/directors of the regional campuses, the vice provost for arts and sciences, and the director of libraries shall comprise the council of deans of the university. The president shall be chairman of the council, the provost shall be vice chairman, and the provost's designee shall serve as secretary. In the temporary absence of the president, the duties of the presiding officer shall be assumed by the provost.
- (B) The council of deans shall meet on the call of the chairman. The council of deans shall serve as an advisory council to the president. (B/T 10/5/73, B/T 2/2/79, B/T 4/3/81, B/T 7/9/82)

\* Rule initiated by board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the proposed amendments to the Bylaws of the Board of Trustees and the Rules of the University Faculty be adopted and that they shall be included in the next printing of these official documents.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution with four affirmative votes cast by Messrs. Smith, Hilliker, Havens, and Immke; one negative vote cast by Dr. Jacob; and one abstention by Mrs. Bowser.

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**PERSONNEL ACTIONS**

Resolution No. 83-7

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Appointment of New Chairmen of Departments and Division, Reappointment of Chairman of Department, Leaves of Absence Without Salary, Professional Improvement Leave-Change of Date, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 10, 1982 meeting of the Board, including the following Appointments, Appointment of New Chairmen of Departments and Division, Reappointment of Chairman of Department, Leaves of Absence Without Salary, Professional Improvement Leave-Change of Date, and Emeritus Titles as detailed in the University Budget, be approved.



**PERSONNEL ACTIONS (contd)**

**Appointments**

Name: DIETHER H. HAENICKE  
Title: Acting Vice President for Academic Affairs and Provost  
Office: Academic Affairs  
Effective: On or about August 1, 1982  
Salary: \$69,480.00  
Present Position: Dean, College of Humanities

Name: MANUEL TZAGOURNIS  
Title: Acting Vice President for Health Services  
Office: Health Services  
Effective: July 1, 1982  
Salary: \$69,900.00  
Present Position: Dean, College of Medicine

Name: FRANCILLE M. FIREBAUGH  
Title: Acting Vice President for Agricultural Administration and  
Executive Dean for Agriculture, Home Economics and  
Natural Resources  
College: Agriculture and Home Economics  
Effective: July 1, 1982  
Salary: \$67,320.00  
Present Positions: Associate Dean, College of Agriculture and Home Econom-  
ics; Director, School of Home Economics

Name: JAMES C. GARLAND  
Title: Acting Vice President for Research and Graduate Studies  
Office: Research and Graduate Studies  
Effective: Immediately  
Salary: \$56,040.00  
Present Position: Professor, Department of Physics

Name: WILLIAM R. NESTER  
Title: Executive Associate Vice President for Academic Affairs  
(Student Services)  
Office: Academic Affairs  
Effective: July 1, 1982  
Salary: \$57,720.00  
Former Position: Vice President for Student Services

Name: LARRY R. THOMPSON  
Title: Special Assistant to the President (Legal Affairs)  
Office: President's Office  
Effective: July 1, 1982  
Salary: \$54,000.00  
Present Position: Acting Special Assistant to the President

July 9, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Appointments (contd)**

Name: JUDITH B. WASHBURN  
 Title: Special Assistant to the President (Finance)  
 Office: President's Office  
 Effective: June 10, 1982  
 Salary: \$54,000.00  
 Present Position: Acting Special Assistant to the President

Name: WILLIAM J. NAPIER  
 Title: Special Assistant to the President (State Relations)  
 Office: President's Office  
 Effective: July 1, 1982  
 Salary: \$41,280.00  
 Present Position: Acting Special Assistant to the President

**Appointment of New Chairmen of Departments and Division**

July 1, 1982 through June 30, 1986

Agricultural Business Technology (ATI)	Mark Headings
Anatomy	James S. King
Human Nutrition and Food Management	* Lena Bailey
Veterinary Pathobiology	Charles Capen

**Reappointment of Chairman of Department**

July 1, 1982 through June 30, 1986

Art Education	Kenneth Marantz
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\* Acting Chairman.

**Leaves of Absence Without Salary**

SAMUEL CHU, Professor, Department of History, effective October 1, 1982 through December 31, 1982, to accept a visiting appointment at Georgetown University.

KEVIN ALBERT RYAN, Professor, Academic Faculty of Educational Foundations and Research, effective October 1, 1982 through June 30, 1983, to accept an appointment at Boston University to work on a project to prepare teacher education faculties for new institutions in Portugal.

GEORGE F. WADLINGTON, Professor, Cooperative Extension Service, effective July 1, 1982 through September 30, 1982, for medical reasons.

July 9, 1982 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

PAUL L. GERSTNER, Assistant Professor, Cooperative Extension Service, effective July 1, 1982 through September 30, 1982, for medical reasons.

C. WILLIAM MCCURDY, Assistant Professor, Department of Chemistry, effective January 1, 1983 through March 31, 1983, to conduct research at the FOM Institute in Amsterdam.

JENNIFER TRAP PORTER, Assistant Professor, Academic Faculty for Exceptional Children, effective October 1, 1982 through June 30, 1983, for personal reasons.

#### Professional Improvement Leave--Change of Date

SAMUEL CHU, Professor, Department of History, change professional improvement leave from Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983 to Winter Quarter 1983 and Spring Quarter 1983.

#### Emeritus Titles

W. ARTHUR CULLMAN, Academic Faculty of Marketing, with the title Professor Emeritus, effective July 1, 1982.

WILLIAM C. DEW, College of Dentistry - Administration, with the title College Secretary Emeritus, effective July 1, 1982.

HOWARD E. FRISBEE, Cooperative Extension Service, with the title Professor Emeritus, effective August 1, 1982.

DONALD J. HOFF, Department of Agronomy, with the title Professor Emeritus, effective July 1, 1982.

DAVID O. JONES, Department of Veterinary Preventive Medicine, with the title Professor Emeritus, effective August 1, 1982.

ROBERT G. KOUYOUMJIAN, Department of Electrical Engineering, with the title Professor Emeritus, effective July 1, 1982.

JAMES H. LIMBIRD, Cooperative Extension Service, with the title Professor Emeritus, effective July 1, 1982.

MORRIS OJALVO, Department of Civil Engineering, with the title Professor Emeritus, effective July 1, 1982.

RICHARD W. PARKINSON, Department of Engineering Graphics, with the title Professor Emeritus, effective July 1, 1982.

July 9, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Emeritus Titles (contd)**

CHARLES H. SUMMERSON, Department of Geology and Mineralogy, with the title Professor Emeritus, effective July 1, 1982.

MARLIN O. THURSTON, Department of Electrical Engineering, with the title Professor Emeritus, effective July 1, 1982.

HENRY E. WENDEN, Department of Geology and Mineralogy, with the title Professor Emeritus, effective July 1, 1982.

DONALD J. VINCENT, Department of Medicine, with the title Clinical Professor Emeritus, effective July 1, 1982.

LINNEA ANDERSON, School of Allied Medical Professions, with the title Associate Professor Emeritus, effective July 1, 1982.

ROBERT E. BLAKE, Department of Electrical Engineering, with the title Associate Professor Emeritus, effective July 1, 1982.

ROSS A. NORRIS, Department of Art Education, with the title Associate Professor Emeritus, effective July 1, 1982.

MARIAN R. BUTLER, Department of Textiles and Clothing, with the title Assistant Professor Emeritus, effective July 1, 1982.

DORA E. COLVER, School of Nursing, with the title Assistant Professor Emeritus, effective July 1, 1982.

DAVID S. GOLDSCHMIDT, College of Optometry, with the title Clinical Assistant Professor Emeritus, effective July 1, 1982.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTION IN MEMORIAM**

Resolution No. 83-8

*Synopsis: A resolution honoring the service of a former member of the Board of Trustees who has recently died is being proposed.*

RESOLVED, That the Board adopt the following Resolution in Memoriam and that the President be requested to convey a copy to the family of the deceased.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

July 9, 1982 meeting, Board of Trustees

**RESOLUTION IN MEMORIAM (contd)**

Jack G. Gibbs

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 22, 1982, of Jack G. Gibbs, former member of the Board of Trustees.

Mr. Gibbs was appointed as a Trustee of The Ohio State University by Governor James A. Rhodes to fill an unexpired term beginning April 9, 1969 and ending May 13, 1970, with Mr. Gibbs taking office May 5, 1969.

Mr. Gibbs graduated from West High School. He received his Bachelor of Science in Education degree in 1954 and Master of Arts degree in 1957, both from The Ohio State University. While at Ohio State he played varsity football and was a member of the team that won the Rose Bowl in 1955.

Mr. Gibbs began his career in education as a history teacher at Central High School. In 1960, he became Assistant Principal at Franklin Junior High School. He was appointed Assistant Principal at East High School in 1963 and then served as Principal from 1967 to 1971. In 1972, he was appointed Executive Director of the Metropolitan Career Center, now the Ft. Hayes Career Center.

A dynamic educator and community leader, Mr. Gibbs touched the lives of many people and had a positive impact on students of all backgrounds.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy in their bereavement.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-9

*Synopsis: The reports on contracts, grants, and gifts and the summary for May are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of May 1982 be approved.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR MAY 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	85	\$4,437,331.44
Engineering Experiment Station	24	322,101.00
Ohio Agricultural Research and Development Center	7	67,500.00
		\$4,826,932.44

**The Ohio State University Development Fund**

**Establishment of Named Fund**

The W. Arthur Cullman Business  
Policy Support Fund  
(College of Administrative  
Science)

\$ 5,000.00

**Report from Presidents Club**

Members to date	4,537
1982 members: year to date	63
New members - May 1982	10

**New Presidents Club Members - May 1982**

John E. Baldini  
Samuel P. Calabretta  
Don E. Cook  
Thomas E. Fontana  
Thomas W. Hannon

Fred C. Hubbell  
Susan Magorien (Mrs. Raymond D.)  
Peter R. Peirce  
Edward S. Sadar  
Keith P. Urban

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$1,099,940.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1982 through 30 September 1983. (Project 760081 - Continuation)

\$159,477.00 - Environmental Protection Agency, Washington, D. C., DNA Damage Repair and Replication in Cell Specific *in Vivo* Carcinogenesis, Departments of Radiology and Pharmacology (S. M. D'Ambrosio), 1 May 1982 through 30 November 1983. (Project 763076 - New)

\$133,612.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Unsaturated Polyolefins and Hydrocarbon Carcinogenesis, Department of Chemistry (L. A. Paquette), 1 June 1982 through 31 May 1983. (Project 763284 - Continuation)

\$129,895.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Polycondensed Alicyclics and Their Antiviral Role, Department of Chemistry (L. A. Paquette), 1 May 1982 through 30 April 1983. (Project 763920 - Continuation)

\$86,622.00 - National Science Foundation, Washington, D. C., Dynamics of the Southern Portion of the Greenland Ice Sheet, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), Institute of Polar Studies (J. R. Bolzan), Department of Mathematics (R. E. Ewing), and Department of Geodetic Science (I. I. Mueller), 1 May 1982 through 30 April 1983. (Project 762103 - Continuation)

\$80,600.00 - Department of the Army, Armament Research and Development Command, Aberdeen Proving Ground, Maryland, Histological Preparation and Evaluation of Noise Exposed Ears, Department of Otolaryngology (D. J. Lim) and Department of Communication (D. E. Dunn), 20 May 1982 through 19 April 1983. (Project 763089 - New)

\$73,452.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Chemical Modification of Plastocyanin, Department of Biochemistry (E. L. Gross), 1 May 1982 through 30 April 1983. (Project 763080 - New)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$69,974.00 - Department of Agriculture, Science and Education Administration, Washington, D. C., Institutional Support from the Animal Health and Disease Research Act of 1977, Department of Veterinary Medicine (R. A. Wright), Department of Veterinary Pathology (R. P. Herd), Department of Veterinary Preventive Medicine (S. Bech-Neilsen), Department of Microbiology (B. Zwilling), and Department of Veterinary Clinical Sciences (D. M. Rings, G. F. Hoffsis, and B. L. Hull), 1 March 1982 through 30 September 1982. (Project 762621 - Continuation)

\$68,271.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Epstein-Barr Virus DNA in Transfected Cells, Department of Medical Microbiology and Immunology (R. Glaser), 1 April 1982 through 31 March 1983. (Project 762623 - Continuation)

\$65,327.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Phase I Studies of New Anticancer Agents, Cancer Research Center (J. A. Neidhart), 1 April 1982 through 1 July 1985. (Project 763077 - New)

\$65,000.00 - National Science Foundation, Washington, D. C., Modelling, Control, and Simulation of Human Movement, Department of Electrical Engineering (H. Hemami), 1 July 1982 through 30 June 1983. (Project 763112 - New)

\$61,391.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Hydrogen Attack of Steel, Department of Metallurgical Engineering (P. G. Shewmon), 1 June 1982 through 31 May 1983. (Project 763079 - Continuation)

\$56,000.00 - National Science Foundation, Washington, D. C., Magnetic Resonance in Ferromagnetic Domain Walls, Department of Physics (P. E. Wigen), 1 July 1982 through 30 June 1983. (Project 762292 - Continuation)

\$55,000.00 - National Science Foundation, Washington, D. C., Paleoclimatic Ice Core Records from the Tropical Quelccaya Ice Cap, Institute of Polar Studies (D. H. Elliot and L. G. Thompson), 1 June 1982 through 31 May 1983. (Project 762663 - Continuation)

\$48,979.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Energetics of Calcium Cycling During Muscle Contraction, Department of Physiology (J. A. Rall), 1 July 1982 through 30 June 1983. (Project 760993 - Continuation)



July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$48,000.00 - National Science Foundation, Washington, D. C., Research Initiation: Independent Modal-Space Control of Flexible Systems, Department of Aeronautical and Astronautical Engineering (H. Oz), 1 July 1982 through 31 December 1984. (Project 763102 - New)

\$46,670.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Lung Carbon Dioxide Receptors and Ventilatory Control, Department of Anesthesiology (R. D. Tallman), 1 May 1982 through 30 April 1983. (Project 763073 - New)

\$43,395.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Spectral Sensitivities of Turtle Photoreceptors, Department of Biophysics (L. E. Lipetz), 1 June 1982 through 31 May 1983. (Project 762642 - Continuation)

\$42,600.00 - National Science Foundation, Washington, D. C., Microparticle Analysis and Glaciological Interpretation of the 500-m Ice Core, South Pole Antarctica, Institute of Polar Studies (D. H. Elliot, E. Mosley-Thompson, and L. Thompson), 1 May 1982 through 30 September 1983. (Project 762875 - Continuation)

\$41,743.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Research on the Braking and Handling Properties of Trucks and Other Vehicles, Department of Mechanical Engineering (D. A. Guenther), 1 July 1982 through 30 June 1983. (Project 763106 - New)

\$40,000.00 - Department of the Navy, Naval Air Systems Command, Washington, D. C., Advanced Adaptive Antenna Techniques, Department of Electrical Engineering, ElectroScience Laboratory (R. T. Compton), 28 April 1982 through 30 September 1982. (Project 763084 - New)

\$39,044.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *in Vivo*, College of Pharmacy (D. T. Witiak), 1 July 1982 through 30 September 1982. (Project 762177 - Continuation)

\$37,479.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells, *in Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 July 1980 through 30 June 1983. (Project 762178 - Continuation)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$34,217.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Intercomparison of Different Space Geodetic Measurement and Computational Data, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1982 through 30 June 1983. (Project 761054 - Continuation)

\$34,200.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, TCM Replacement, Department of Civil Engineering (O. J. Sproul and A. J. Rubin), 13 May 1982 through 21 May 1983. (Project 762682 - Continuation)

\$32,562.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Energetics of Ca<sup>2+</sup> Cycling During Muscle Contraction, Department of Physiology (J. A. Rall), 1 July 1982 through 30 June 1983. (Project 761174 - Continuation)

\$30,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 1 July 1982 through 30 June 1983. (Project 760226 - Continuation)

\$29,917.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. Blakeslee), 1 July 1982 through 30 September 1982. (Project 762179 - Continuation)

\$29,721.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Strategies to Disrupt Pregnancy in the Tsetse Fly, Department of Entomology (D. L. Denlinger), 1 May 1982 through 30 April 1983. (Project 762136 - Continuation)

\$29,626.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Problems of Statistical Inference with Special Application, Department of Statistics (J. S. Rustagi), 1 April 1982 through 31 March 1983. (Project 763099 - Continuation)

\$26,862.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1982 through 30 June 1983. (Project 761657 - Continuation)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$26,795.00 - Department of Defense, Defense Dependent Schools, Washington, D. C., Foreign Language Workshop, Academic Faculty of Humanities Education (E. D. Allen and D. W. Birckbichler), 1 August 1982 through 20 August 1982. (Project 763107 - New)

\$25,000.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 April 1982 through 30 June 1982. (Project 762612 - Continuation)

\$23,500.00 - National Science Foundation, Washington, D. C., The Banach-Mazur Distance Between Finite Dimensional Spaces and Projection Constants, Department of Mathematics (W. J. Davis), 1 July 1982 through 30 June 1983. (Project 762659 - Continuation)

\$21,360.00 - National Science Foundation, Washington, D. C., Topics in Ergodic Theory, Department of Mathematics (A. del Junco), 1 July 1982 through 30 June 1984. (Project 762160 - Continuation)

\$20,000.00 - Environmental Protection Agency, Washington, D. C., Lake Erie Sediment Resuspension and Transport Mechanisms: Nearshore Vertical Profiles and Flux Rates, Department of Civil Engineering (K. W. Bedford and C. A. Moore), 1 April 1982 through 31 March 1983. (Project 762224 - Continuation)

\$19,999.00 - National Science Foundation, Washington, D. C., Stratigraphy, Sedimentology and Sedimentary Petrology and Permian-Triassic Gondwana Sequence in North Victoria Land, Antarctica, Institute of Polar Studies (J. W. Collinson), 1 May 1982 through 30 June 1983. (Project 762829 - Continuation)

\$19,909.00 - National Science Foundation, Washington, D. C., Bounding the Norm of the Poincare Theta Operator, Department of Mathematics (L. A. Parson), 1 July 1982 through 30 June 1984. (Project 763078 - New)

\$18,380.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Anatomy of the Acoustic-Motor Pathways in the Opossum, Department of Anatomy (G. F. Martin and F. H. Willard), 1 June 1982 through 31 May 1983. (Project 763100 - New)

\$17,947.00 - National Science Foundation, Washington, D. C., Glaciology Near Dome "C", East Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), 1 July 1982 through 30 June 1983. (Project 762783 - Continuation)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$16,480.00 - Department of Education, Office of Procurement and Assistance Management, Washington, D. C., Special Education Component in University Affiliated Facility, Nisonger Center for Mental Retardation (D. C. Cavin), 1 June 1982 through 31 May 1983. (Project 762209 - Continuation)

\$13,390.00 - Department of Education, Office of Special Education, Office of Procurement and Assistance Management, Washington, D. C., Inservice Training for School Administrators, Academic Faculty for Exceptional Children (J. O. Cooper), 1 June 1982 through 31 May 1983. (Project 762139 - Continuation)

\$5,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Conference on Wave Propagation and Scattering, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 22 April 1982 through 21 April 1983. (Project 763098 - New)

\$3,046.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Post-Transcriptional Control in Eukaryotic Cells, Department of Physiological Chemistry (T. E. Webb and D. E. Schumm), 1 April 1982 through 31 March 1983. (Project 760063 - Continuation)

\$2,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weislogel), 1 March 1982 through 15 September 1982. (Project 762359 - Continuation)

\$1,063.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis of Substituted Polycyclic Hydrocarbons, Department of Chemistry (M. S. Newman and D. W. Meek), 1 June 1982 through 30 June 1982. (Project 761809 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$3,073,445.00**

**State of Ohio Research Contracts/Grants**

\$41,421.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio's Martin W. Essex School for the Gifted 1982, Academic Faculty for Exceptional Children (R. H. Swassing and S. E. McCormick), 1 April 1982 through 31 March 1983. (Project 763095 - New)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants (contd)

\$14,861.00 - The Ohio Program in the Humanities, Columbus, Ohio, Africa and the West: The Challenge of African Humanism, Department of Black Studies (I. J. Mowoe) and Department of Romance Languages and Literatures (R. W. Bjornson), 6 March 1982 through 30 June 1982. (Project 763058 - New)

\$3,000.00 - Ohio Arts Council, Columbus, Ohio, Hispanic Awareness Week - Tony Croatto Concert, Department of Student Organizations and Community Life (M. Livingston), 18 March 1982 through 4 April 1982. (Project 763103 - New)

\$1,200.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Perceptions of Natural Area Managers Towards Resources and Visitors, School of Natural Resources (J. L. Heywood and G. W. Mullins), 14 May 1982 through 31 March 1983. (Project 763044 - New)

\$1,050.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, An Assessment of the Impact of Educational/Interpretive Programming in Selected Ohio Natural Areas, School of Natural Resources (M. L. Bowman-Cowen), 14 May 1982 through 31 March 1983. (Project 763045 - New)

\$984.00 - The Ohio Program in the Humanities, Columbus, Ohio, Broadcast of the 1982 Boyd H. Bode Memorial Lecture, Department of Telecommunications (D. K. Ouzts), 5 April 1982 through 31 May 1982. (Project 763070 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$ 62,516.00**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$675,420.00 - Price Waterhouse and Company, Washington, D. C., ARAMCO Training Program, The National Center for Research in Vocational Education (R. E. Taylor), 28 April 1982 through 31 July 1983. (Project 763094 - New)

\$73,857.00 - The Kroc Foundation, Santa Ynez, California, B Cell Function in Human Autoimmunity, Department of Medicine (R. L. Whisler), 1 July 1982 through 30 June 1984. (Project 763091 - New)

\$50,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, John W. Galbreath Program in Birth Defects, College of Medicine - Administration (M. Tzagournis), Department of Pediatrics (J. A. Menke), and Department of Obstetrics and Gynecology (J. D. Iams), 1 April 1982 through 31 March 1983. (Project 763087 - New)

\$46,580.00 - American Council of Life Insurance, Washington, D. C., The Level and Composition of Household Savings, Academic Faculty of Finance (P. H. Hendershott), 1 March 1982 through 31 October 1983. (Project 763096 - New)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$44,887.00 - American Chemical Society, The Petroleum Research Fund, Washington, D. C., Fundamental Characteristics of Gas-Liquid-Solid Fluidized Bed Reactor for Hydrocarbon Processing, Department of Chemical Engineering (L. S. Fan), 1 September 1982 through 31 August 1985. (Project 763097 - New)

\$37,778.00 - Technicon Instruments Corporation, Tarrytown, New York, Trace Organic Analysis by a Combination of Optical and Electrochemical Methods, Department of Chemistry (R. L. McCreery), 1 June 1982 through 31 May 1983. (Project 762616 - Continuation)

\$33,700.00 - The University of Tennessee, Knoxville, Tennessee, Modeling for Ultrasonic NDE of Columnar Structure in Anisotropic Materials, Department of Welding Engineering (L. Adler), 14 March 1982 through 14 March 1983. (Project 762453 - Continuation)

\$31,769.00 - American Congress on Surveying and Mapping, Falls Church, Virginia, Organizing and Establishing a National Committee for Digital Cartographic Data Standards, Department of Geography (H. J. Moellering), 10 March 1982 through 9 March 1983. (Project 763069 - New)

\$30,235.00 - Procter and Gamble Company, Cincinnati, Ohio, A Double Blind, Parallel Comparison of Aspirin and Placebo Following Tooth Extraction in Dental Patients, College of Dentistry - Administration (J. M. Weaver and F. M. Beck), 1 May 1982 through 10 July 1982. (Project 763075 - New)

\$30,000.00 - American Chemical Society, The Petroleum Research Fund, Washington, D. C., Meta-Xylylene and Related Compounds, Department of Chemistry (M. S. Platz), 1 June 1982 through 31 August 1984. (Project 763088 - New)

\$30,000.00 - Associated Builders and Contractors, Inc., Washington, D. C., Painter and Plumber Apprenticeships Curriculum Development for Wheels of Learning Construction Training Program, Academic Faculty of Industrial Technology (D. G. Lux, W. E. Ray, and E. K. Blankenbaker), 1 May 1982 through 15 July 1982. (Project 762908 - Continuation)

\$26,206.89 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 March 1982 through 28 February 1983. (Project 763104 - New)

\$25,291.00 - National Cash Register, NCR Central Technical Education Center, Miamisburg, Ohio, Development of a Criterion Referenced Training Course for NCR Field Engineers: Tape Drive Unit - Model 6325 (Phase I), Academic Faculty of Vocational-Technical Education (A. J. Miller) and College of Education - Administration and Academic Faculty of Industrial Technology (J. J. Buffer), 10 March 1982 through 15 June 1982. (Project 763111 - New)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$21,861.00 - Council on International Educational Exchange, New York, New York, Japanese English Teachers Workshop, Department of English (B. S. Sutton), 1 April 1982 through 1 October 1982. (Project 763092 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effects of Long-term Stimulation on Muscle Oxygenation, Department of Physiology (E. W. Kanabus), 1 July 1982 through 30 June 1983. (Project 762710 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Energetics of Contraction in Single Muscle Cells, Department of Physiology (J. A. Rall), 1 October 1982 through 30 September 1983. (Project 763110 - New)

\$15,220.00 - San Diego State University Foundation, San Diego, California, Field and Laboratory Investigations of Soils at Eagle Creek and Other Selected Areas, Institute of Polar Studies (K. R. Everett and D. H. Elliot), 1 May 1982 through 30 April 1983. (Project 763109 - New)

\$14,200.00 - Iowa State University - Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 June 1982 through 30 September 1982. (Project 762511 - Continuation)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Determination of Left Ventricular Mechanical Efficiency, Department of Physiology (H. P. Pieper and G. M. Pantalos), 1 July 1982 through 30 June 1983. (Project 763108 - Continuation)

\$10,653.00 - Iowa State University - Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Elastic Wave Scattering by Flaws for Application to NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 1 June 1982 through 30 September 1982. (Project 762502 - Continuation)

\$10,000.00 - The Weight Watchers Foundation, Inc., Manhasset, New York, Role of Endorphins in Obesity, Department of Pharmacology (G. A. Tejwani), 1 July 1982 through 30 June 1983. (Project 762665 - Continuation)

\$7,000.00 - General Electric Company, Syracuse, New York, Hybrid Metallic Radome, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 17 May 1982 through 29 October 1982. (Project 763105 - New)

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$6,000.00 - Institute of International Education, New York, New York, UNESCO Special International Visitors, Department of Communication (J. L. Golden), 1 April 1982 through 30 September 1982. (Project 763090 - New)

\$6,000.00 - Westinghouse Electric Corporation, Power Electronics and Drive Systems Division, Buffalo, New York, The Potential of Japan's KANBAN System in Different Manufacturing Settings: Computer Simulation and Behavioral Assessments, Academic Faculty of Management Science (L. J. Krajewski and L. P. Ritzman), 1 April 1982 through 30 June 1982. (Project 762537 - Continuation)

\$5,105.00 - Southwest Oncology Group, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Pathology (R. O'Toole), 1 January 1982 through 31 December 1982. (Project 761460 - Continuation)

\$4,849.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement Between Southeastern Ohio Technical Consortium and The Ohio State University Research Foundation, Cooperative Extension Service - State Operations (C. J. Cunningham) and Cooperative Extension Service - Field Operations (L. G. Sanford and D. P. Miller), 29 March 1982 through 15 June 1982. (Project 763083 - New)

\$4,455.55 - The Toledo Edison Company, Toledo, Ohio, Toledo Edison Environmental Report Preparation and Evaluation, Center for Lake Erie Area Research (J. M. Ruetter), 1 May 1982 through 31 August 1982. (Project 763101 - New)

\$3,500.00 - University of Illinois at Urbana-Champaign, Region V Child Welfare Training Center, Urbana, Illinois, Multiregional Conference on Institutional Abuse and Neglect, College of Social Work (N. J. Rindfleisch), 1 February 1982 through 31 July 1982. (Project 763086 - New)

\$2,470.00 - Hospital Financial Management Association, Oak Brook, Illinois, The Development of a Financial Analysis Service for the Hospital Industry, School of Allied Medical Professions (W. O. Cleverly), 1 July 1981 through 30 June 1982. (Project 761794 - Continuation)

\$2,372.00 - Caldwell Community College and Technical Institute, Hudson, North Carolina, Implementing Competency-Based Occupational Education Programs, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1982 through 30 September 1982. (Project 763093 - Continuation)

\$1,478.00 - Boehringer Ingelheim, Ltd., Ridgefield, Connecticut, Analysis of Dipyrnidamole in Plasma, Department of Veterinary Clinical Sciences (R. Sams), 1 May 1982 through 31 May 1982. (Project 762928 - Continuation)



July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$1,427.00 - Southwest Oncology Group, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Medicine (S. P. Balcerzak), 1 April 1982 through 31 May 1982. (Project 760617 - Continuation)

\$1,056.00 - The University of Wisconsin-Milwaukee, Milwaukee, Wisconsin, Multi-regional Conference on Institutional Abuse and Neglect, College of Social Work (N. J. Rindfleisch), 1 February 1982 through 31 May 1982. (Project 763085 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,301,370.44**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$26,000.00 - The Ohio State University, Office of Physical Facilities, for "Study of Energy Conservation for University Buildings--Program 4244," Department of Mechanical Engineering, October 11, 1973 through December 31, 1982. (EES 468X, Extension 11--529008)

\$296,101.00 - 23 sponsors of development projects under the direction of nine engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$ 322,101.00**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contracts/Grants**

\$18,000.00 - Agricultural Cooperative Service, U. S. Department of Agriculture, Washington, D. C., support of a study on electronic marketing of slaughter hogs: transitioning to commercial viability, Department of Agricultural Economics and Rural Sociology, April 1, 1982 to March 31, 1983. (Contract No. 58-31C7-2-1000)

\$2,000.00 - Michigan State University, Pesticide Research Center, East Lansing, Michigan, support of a study on IR-4 Program 1982 Food-Use Projects, Department of Plant Pathology, April 20, 1982 to January 31, 1983. (Contract No. P. O. 02669)

**TOTAL - FEDERAL CONTRACTS/GRANTS** **\$ 20,000.00**

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Industrial and Other Contracts/Grants

\$20,000.00 - The Standard Oil Company (SOHIO), Cleveland, Ohio, support of a study on use of ancestral germplasm for increased corn production, Departments of Entomology and Agronomy, April 30, 1982 to April 29, 1983. (Contract No. P. O. 44-0229-B295)

\$10,500.00 - Lilly Research Laboratories, Worthington, Ohio, support of a study to evaluate the growth promotant properties of EL-750 on growing/finishing swine, Department of Animal Science, May to November 1982.

TOTAL - INDUSTRIAL AND OTHER CONTRACTS/GRANTS                      \$    30,500.00

Gifts of \$5,000 or More

\$6,000 from Dow Chemical Company, Midland, Michigan  
\$6,000 from Mobay Chemical Corporation, Kansas City, Missouri  
\$5,000 from Mandops, Inc., West Palm Beach, Florida

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

April 1982

Gifts of \$5,000 or More

\$40,755.92    Louise Orr Scott Foundation, Columbus, Ohio--\$30,566.94 for William C. Orr and Mary B. Orr Scholarship in Medicine and \$10,188.98 for William C. Orr and Mary B. Orr Scholarship in Pharmacy.

\$34,276.33    Sterling-Winthrop Research Institute, Rensselaer, New York--\$20,111.00 for Cardiovascular Pharmacology Fund; \$10,832.00 for Amrionone Research-Dynamics; and \$3,333.33 for Amrionone Research-Hematology.

\$26,000.00    Coopers & Lybrand, New York, New York--\$16,000.00 for Coopers & Lybrand Fund and \$10,000.00 for Coopers & Lybrand Fund Scholars Program.

\$25,600.00    Janssen Pharmaceutical Company, New Brunswick, New Jersey, for Anesthesia Research Education Fund.

\$25,000.00    Amoco Foundation, Inc., Chicago, Illinois, for Advanced Design Methods Lab, Mechanical Engineering.

\$19,433.00    Warner-Lambert, Morris Plains, New Jersey, for Anesthesia Research Education Fund.

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$16,130.30 Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
- \$13,500.00 Dow Chemical, Midland, Michigan--\$6,000.00 for Plant Pathology-Special Fund; \$4,500.00 for Agronomy Weed Research Fund; and \$3,000.00 for Dow Research Fellowship.
- \$12,117.62 Carl Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.
- \$10,693.34 Wendy's International, Inc., Dublin, Ohio--\$5,693.34 for Menopausal Project Fund and \$5,000.00 for Student Athlete Grant-in-Aid Fund.
- \$10,000.00 Grand Aerie Eagles Fraternal Order, Columbus, Ohio, for Cancer Research Center.
- \$10,000.00 Thurman Manufacturing Company, Columbus, Ohio--\$8,000.00 for ISE Advancement Fund and \$2,000.00 for Student Athlete Grant-in-Aid Fund.
- \$ 9,750.00 B. F. Goodrich Company, Akron, Ohio--\$7,500.00 for B. F. Goodrich Company Fund; \$1,000.00 for Structural Dynamics Research Center Fund; \$500.00 for Chemical Engineering Support Fund; \$500.00 for Home Economics Program Fund; \$150.00 for History Discretionary Fund; and \$100.00 for undesignated purposes.
- \$ 8,333.00 Ohio Federal Products Credit, Marion, Ohio, for Endowed Program Fund in Cooperative Business Management.
- \$ 8,000.00 Midland-Ross Corporation, Urbana, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 7,200.00 Melvin Moffitt, San Antonio, Texas, for M. E. Moffitt Memorial Fund.
- \$ 6,500.00 Capital City Products, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 6,250.00 Hanna Chemical Coatings Corporation, Columbus, Ohio--\$6,000.00 for Student Athlete Grant-in-Aid Fund and \$250.00 for Friends of WOSU.
- \$ 6,000.00 Gleason Memorial Fund, Inc., Rochester, New York, for Gear Dynamics Lab Fund.

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 5,000.00 Ashland Chemical Company, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 5,000.00 Brubaker/Brandt, Columbus, Ohio, for Architecture Division Fund.
- \$ 5,000.00 Duriron Company, Inc., Dayton, Ohio, for Duriron Company Scholarship.
- \$ 5,000.00 Fluid Power Education Fund, Milwaukee, Wisconsin, for Fluid Power Fund.
- \$ 5,000.00 George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation for Enology and Viticulture.
- \$ 5,000.00 Marion Area College Foundation, Inc., Marion, Ohio, for Marion Campus Scholarship Fund.
- \$ 5,000.00 OSU Dental Alumni Association, Worthington, Ohio, for Dental Alumni Loan.
- \$ 5,000.00 Republic Steel, Cleveland, Ohio, for Republic Steel Research Fund.
- \$ 5,000.00 Structural Dynamics, Milford, Ohio, for Advanced Design Methods Lab-Mechanical Engineering.
- \$ 5,000.00 Walter Wall, Columbia, Maryland, for OSU Campaign-China.

May 1982

- \$50,000.00 The Kiplinger Foundation, Washington, D. C., for W. M. Kiplinger Chair.
- \$35,133.79 Retinal Consultants, Columbus, Ohio--\$32,832.97 for Retina Research Fund and \$2,300.82 for Ophthalmology Photography Fund.
- \$34,873.35 Herold Angela, Cleveland, Ohio, for Pharmacy Advancement Fund.
- \$28,500.00 John Nordholt, Tiffin, Ohio, for Nordholt Professorship in Engineering.
- \$25,620.00 Armco Foundation, Middletown, Ohio--\$25,000.00 for Mars G. Fontana Professorship Fund; \$400.00 for College of Engineering Special Fund; \$70.00 for Friends of the Library; \$50.00 for Blood Research-Bouroncle Fund; \$50.00 for College of Social Work Fund; and \$50.00 undesignated.

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- |             |  |
|-------------|--|
| \$25,100.00 | Cecilia and Arthur Cullman Fund of the Columbus Foundation, Columbus, Ohio--\$10,000.00 for Abramowitz Professorship Fund; \$10,000.00 for Cullman Symposium Fund; \$5,000.00 for College of Administrative Science Fund; and \$100.00 for Schwartz Family Fund. |
| \$25,000.00 | Borden, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.   |
| \$25,000.00 | Edwin A. and Julia Green Dodd Fund No. 2 of the Cleveland Foundation, Cleveland, Ohio, for furtherance in Extension Work--Cuyahoga County.   |
| \$25,000.00 | Pulmonary Association, Columbus, Ohio, for Pulmonary Research-Whitcomb Fund.   |
| \$21,325.00 | Nelson Lancione, Columbus, Ohio--\$18,257.52 for John B. Lancione Memorial Fund; \$2,567.48 for Presidents Club Special Fund; and \$500.00 for Student Athlete Grant-in-Aid Fund.  |
| \$20,111.00 | Sterling-Winthrop, Rensselaer, New York, for Cardiovascular Pharmacology Fund.   |
| \$20,000.00 | Bremer Foundation, Youngstown, Ohio, for Bremer Foundation Fund.   |
| \$18,243.80 | Warner Pomerene, Coshocton, Ohio--\$7,297.52 for Pomerene Medical Research Fund; \$5,473.14 for Pomerene Fund in Agriculture; and \$5,473.14 for J. W. Bricker Professorship.  |
| \$17,318.99 | American Medical Association, Chicago, Illinois, for Faculty Seminar-Medicine Fund.  |
| \$17,000.00 | Ernst and Whinney Foundation, Cleveland, Ohio, for Ernst and Whinney Conference.   |
| \$16,638.75 | Textron, Inc., Providence, Rhode Island, for J. B. Collinson Fund.   |
| \$14,728.36 | University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.  |
| \$14,342.17 | Order of Eastern Star, Grand Chapter, Danville, Ohio, for Cancer Research Fund.  |

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$11,050.00 OSU Women's Club, Worthington, Ohio--\$8,050.00 for OSU Women's Scholarship Fund and \$3,000.00 for University Women's Club Loan.
- \$10,000.00 Essie Zesinger, Columbus, Ohio, for undesignated purposes.
- \$ 9,500.00 Central Ohio Technical College, Newark, Ohio, for Newark Campus Scholarship Fund. \*
- \$ 8,400.00 Mead Johnson and Company, Evansville, Indiana, for Ryan Cardiology Disease Fund.
- \$ 8,000.00 Ohio Dairy Farmers' Federation, Columbus, Ohio, for Ohio Dairy Research Fund.
- \$ 8,000.00 Ohio Turfgrass Foundation, Columbus, Ohio--\$4,500.00 for Turfgrass Research Fund and \$3,500.00 for Turf Diseases Fund.
- \$ 8,000.00 Summer and Company, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 7,471.00 Ohio Federation Production Credit Association, Marion, Ohio--\$4,671.00 for Endowed Program Fund Cooperative Business Management Fund and \$2,800.00 for Ohio Federation Production Credit Association Scholarship Fund.
- \$ 7,000.00 Life Insurance Financial Credit, Columbus, Ohio, for Ophthalmology Teaching Fund.
- \$ 6,750.00 Alcoa Foundation, Pittsburgh, Pennsylvania--\$1,750.00 for Alcoa Foundation Scholarship; \$1,000.00 for Alcoa Scholarship Fund in Chemical Engineering; \$1,000.00 for Alcoa Scholarship Fund in Electrical Engineering; \$1,000.00 for Alcoa Scholarship Fund in Industrial Engineering; \$1,000.00 for Alcoa Scholarship Fund in Mechanical Engineering; and \$1,000.00 for Alcoa Scholarship Fund in Metallurgical Engineering.
- \$ 6,500.00 AmeriTrust, Cleveland, Ohio, for A. M. & H. R. Templeton Medical Research Fund.
- \$ 6,500.00 SCOA Industries, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 6,000.00 AccuRay Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 6,000.00 Touche Ross Foundation, New York, New York, for Touche Ross Accounting Fund.
- \$ 5,825.00 Ciba-Geigy Corporation, Ardsley, New York--\$5,800.00 for Agronomy Weed Research Fund and \$25.00 for College of Agriculture Support Fund.
- \$ 5,400.00 Rhone-Poulenc, Inc., New York, New York--\$1,200.00 for Horticulture Weed Control Research Fund; \$1,200.00 for Turfgrass Research Fund; \$1,000.00 for Weed Science Endowment Fund; \$700.00 for Ornamentals Plant Pathology Fund; \$700.00 for Turf Disease Fund; and \$600.00 for Nursery Research Fund.
- \$ 5,250.00 Shell Development Company, Houston, Texas, for Agronomy Weed Research Fund.
- \$ 5,000.00 Hannon Company, Canton, Ohio, for Equine Embryo Research Fund.
- \$ 5,000.00 Mid Ohio Chemical Company, Inc., Washington Court House, Ohio--\$4,500.00 for Professorship in Plant Protection and \$500.00 for Student Athlete Grant-in-Aid Fund.
- \$ 5,000.00 Owens Corning Fiberglas Corporation, Newark, Ohio, for Owens Corning Fund.
- \$ 5,000.00 Pfizer, Inc., Lees Summit, Missouri, for Pfizer Research Fund.
- \$ 5,000.00 W. J. and P. J. Richards Trust, Portsmouth, Ohio, for Neuroscience Research Lab.
- \$ 5,000.00 Sensotec, Inc., Columbus, Ohio, for Cullman Symposium Fund.

Gifts-in-Kind

- \$ 8,160.00 Ted Cook, Columbus, Ohio, Computer.
- \$ 7,656.00 E. Jossem, Columbus, Ohio, Journals, Texts, and Monographs.

July 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Fund**

**The W. Arthur Cullman Business Policy Support Fund**

The W. Arthur Cullman Business Policy Support Fund was established July 9, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of W. Arthur Cullman.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used as recommended by the appropriate faculty chairperson and as approved by the Dean of the College of Administrative Science to improve the various programs in policy and marketing.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for marketing education.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-10

*Synopsis: Approval of plans and specifications for the following project is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**LABORATORY ANIMAL CENTER - BUILDINGS 2 AND 3  
MODIFY AIR CONDITIONING SYSTEMS**

**Project:** Replace present gas-fired absorption chillers with more energy efficient systems. Present chillers are high energy users, have high maintenance, and most repair parts are no longer available.

**Funding:** Local, Contract Repair, 1982-83

**Estimated Project Cost:** \$100,000



July 9, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**LABORATORY ANIMAL CENTER - BUILDINGS 2 AND 3  
MODIFY AIR CONDITIONING SYSTEMS (contd)**

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Havens, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-11

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**JESSE OWENS MEMORIAL ALL-WEATHER TRACK**

Description: Provide a 400-meter track and all required ancillary facilities within and adjacent to Ohio Stadium to meet all facility requirements, as established by the International Amateur Athletic Federation (IAAF), for world-class track and field events.

**General Contract**

Date Received: June 4, 1982

No. of Bids: 3

July 9, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**JESSE OWENS MEMORIAL ALL-WEATHER TRACK (contd)**

General Contract (contd)

Low Bid: \$ 704,100.19\*  
High Bid: \$ 858,807.50\*  
Estimate of Cost: \$1,003,006.20  
Awarded to: Rekortan Sports Corporation, Seattle, Washington

Electrical Contract

Date Received: May 21, 1982  
No. of Bids: 3  
Low Bid: \$ 17,914.00  
High Bid: \$ 23,245.00  
Estimate of Cost: \$ 20,000.00  
Awarded to: Jess Howard Electric, Columbus, Ohio

Total All Contracts: \$ 722,014.19  
Total Contingency Allowance: \$ 63,514.03 which is 8 per cent of construction contracts  
Total Project Cost: \$ 876,775.91  
Funding: Amended Substitute House Bill 552  
and Local University Funds

**GAS LINE PROTECTION**

Description: Installation of protection on University gas distribution lines to reduce the rate of deterioration and extend the life of the system.

Mechanical Contract

Date Received: May 27, 1982  
No. of Bids: 4  
Low Bid: \$ 112,250.00\*  
High Bid: \$ 139,900.00\*  
Estimate of Cost: \$ 197,000.00\*  
Awarded to: Edmonds Mechanical Contractors, Inc., Columbus, Ohio

\* Recommended alternates reflected in these figures.

July 9, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**GAS LINE PROTECTION (contd)**

Total Contract: \$ 112,250.00  
Total Contingency Allowance: \$ 17,260.32 which is 15 per cent of construction contract  
Total Project Cost: \$ 132,329.00  
Funding: Amended Substitute House Bill 552  
(Utilities and Renovation)

**LINCOLN TOWER - INSTALLATION OF TELEPHONE DUCTS**

Description: Installation of telephone duct work from the manhole at the southeast corner of Drake Union on Cannon Drive to Room 128 of Lincoln Tower. The duct system is to be used in conjunction with the expansion of the University's telephone system.

**Electrical Contract**

Date Received: June 9, 1982  
No. of Bids: 5  
Low Bid: \$ 23,200.00  
High Bid: \$ 28,435.00  
Estimate of Cost: \$ 32,000.00  
Awarded to: Electric Power Equipment Company, Columbus, Ohio  
Total Contract: \$ 23,200.00  
Total Contingency Allowance: \$ 1,856.96 which is 8 per cent of construction contract  
Total Project Cost: \$ 29,713.00  
Funding: Local University Funds, Account 885171

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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July 9, 1982 meeting, Board of Trustees

**PURCHASE OF PROPERTY  
992.67 ACRES IN MADISON COUNTY, OHIO**

Resolution No. 83-12

*Synopsis: Authorization to purchase 992.67 acres in Madison County, Ohio, and to designate it as the Molly Caren Agricultural Center.*

WHEREAS the University has been presented with an opportunity to acquire 992.67 acres of farmland known as the Upper Gwynne South Farm located along the north side of U. S. Route 40 in Madison County approximately three miles north of the City of London; and

WHEREAS this property has an appraised value of \$2,200,000.00 and the owner, Mrs. John M. Caren, has offered to make a substantial gift to the University by offering to sell the property to the University for \$500,000.00; and

WHEREAS this farm is to be designated the Molly Caren Agricultural Center; and

WHEREAS the appropriate University offices have determined that the purchase of this property and acceptance of Mrs. Caren's gift is in the best interest of the University;

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to take such action necessary to purchase the Upper Gwynne South Farm at a price of \$500,000.00 and upon such terms and conditions as they consider to be in the best interest of the University and to accept the gift of Mrs. Caren on behalf of the Board of Trustees.

Upon motion of Mrs. Bowser, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**WAIVER OF GROUP LIFE POLICY REQUIREMENT FOR HAROLD L. ENARSON**

Resolution No. 83-13

*Synopsis: The waiver of a policy requirement pertaining to Group Life Insurance for retired employees of The Ohio State University is proposed.*

WHEREAS the Board of Trustees of The Ohio State University adopted on April 10, 1959, a resolution which states that employees who retire after age 55 with at least ten years of service may continue their group life insurance to age 70, provided said employees are eligible to receive retirement benefits under any entitlements administered by the State of Ohio; and

July 9, 1982 meeting, Board of Trustees

**WAIVER OF GROUP LIFE POLICY REQUIREMENT FOR HAROLD L. ENARSON (contd)**

WHEREAS this Board wishes to ensure the continued coverage President Emeritus Harold L. Enarson has under the Group Life Insurance program:

NOW THEREFORE

BE IT RESOLVED, That the policy requirement which stipulates that "employees who retire after age 55 with ten years of service" is hereby waived in the case of President Emeritus Harold L. Enarson; and

BE IT FURTHER RESOLVED, That pursuant to this action, upon the remittance of the appropriate premiums, President Emeritus Harold L. Enarson may continue to be covered under the Group Life Insurance program on the same basis as all other eligible retired faculty and staff members as defined in the appropriate certificate of insurance.

Upon motion of Dr. Jacob, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EXPRESSION OF APPRECIATION TO PROVOST W. ANN REYNOLDS**

Resolution No. 83-14

WHEREAS W. Ann Reynolds has served The Ohio State University with great skill and distinction as Provost during the past three years; and

WHEREAS Dr. Reynolds' commitment to academic excellence has been evidenced in every facet of her career at Ohio State; and

WHEREAS Dr. Reynolds has had a special interest in enhancing the retention levels and graduation rates of students enrolled at this University; and

WHEREAS under her leadership as Provost, Ohio State has originated a number of significant actions to ensure that the youth of Ohio have the academic preparation necessary for college-level work, and receive all necessary assistance in attaining requisite skill levels when deficiencies are found; and

WHEREAS the California State University system has recognized the outstanding qualities of Dr. Reynolds and has appointed her to the position of Chancellor of that system:

NOW THEREFORE

BE IT RESOLVED, That this Board and the University express to Dr. Reynolds their thanks and appreciation for three years of dedicated leadership and service to The Ohio State University, and wish Dr. Reynolds and her family the very best of fortunes in their new undertakings.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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July 9, 1982 meeting, Board of Trustees

**EXPRESSION OF APPRECIATION TO PROFESSOR RICHARD D. GILSON**

Resolution No. 83-15

WHEREAS Professor Richard D. Gilson has served as a member of the University Senate for two years; and

WHEREAS during those two years, Dr. Gilson has been a member of the Steering Committee of the University Senate, and served during the 1981-82 year as Chairman of that Committee; and

WHEREAS Professor Gilson's leadership of the committee during a period of financial uncertainty and administrative transition and realignment has evidenced exceptional dedication, strength and ability; and

WHEREAS he is nearing the completion of his tenure as member and Chairman of the Steering Committee:

NOW THEREFORE

BE IT RESOLVED, That the University and this Board recognize Professor Richard D. Gilson for his fine service and applaud and thank him for his time, devotion and many accomplishments as Chairman of the Senate Steering Committee during 1981-82.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**EXPRESSION OF APPRECIATION TO JUDGE ROBERT M. DUNCAN**

Resolution No. 83-16

WHEREAS upon creation in 1980 of the University Hospitals Board, Judge Robert M. Duncan was asked by the Board of Trustees to serve on the new board; and

WHEREAS Judge Duncan was elected Chairman of that board and served in that capacity during his two years of Hospitals Board membership; and

WHEREAS his leadership as Chairman of that board encompassed the initial organizational stages of the board, a period which is one of the most challenging and difficult for any organization; and

WHEREAS Judge Duncan's brilliant leadership and working faith during these last two years epitomize the personal and professional qualities which have been recognized over time; and

WHEREAS Judge Duncan's resolve, dedication and support of the University beyond his service on the Hospitals Board have been evidenced in innumerable ways over the years:

July 9, 1982 meeting, Board of Trustees

**EXPRESSION OF APPRECIATION TO JUDGE ROBERT M. DUNCAN (contd)**

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University and the Board of Trustees express to Judge Robert M. Duncan their deep gratitude in recognizing and saluting him for his two years of service as member and first Chairman of the University Hospitals Board; and

BE IT FURTHER RESOLVED, That the Trustees look forward to a continuing positive and productive association with Judge Duncan and hope to be able to find new ways to utilize his vast talents and energies toward the continued enhancement of the missions of The Ohio State University, and more specifically, the work of the University Hospitals.

Upon motion of Mr. Havens, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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Chairman Smith presented the following:

**EXPRESSION OF APPRECIATION TO DR. HENRY G. CRAMBLETT**

Resolution No. 83-17

WHEREAS Dr. Henry G. Cramblett has served The Ohio State University in a variety of capacities during his more than 18 years of service - as Professor of Pediatrics; Chairman and Professor, Medical Microbiology; Secretary of the Faculty, College of Medicine; Dean, College of Medicine; Acting Vice President for Medical Affairs; and Vice President for Health Sciences; and

WHEREAS Dr. Cramblett's commitment and contributions to the medical profession, to academic excellence and to the enhancement of health care delivery systems have been evidenced by the sustained progress which has been made during his tenure at Ohio State; and

WHEREAS Dr. Cramblett's leadership and dedicated efforts to round out the development of the physical dimensions of the health care complex have been recognized by peers and associates; and

WHEREAS his loyalty, dedication and enthusiastic support have contributed substantially to the accomplishment of the varied mission of the University:

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University and this Board recognizes Dr. Henry G. Cramblett for his contributions and commend him for his efforts, good work and many splendid accomplishments; and

July 9, 1982 meeting, Board of Trustees

**EXPRESSION OF APPRECIATION TO DR. HENRY G. CRAMBLETT (contd)**

BE IT FURTHER RESOLVED, That this Board in approving the recommendation of the Dean of the College of Medicine and the President, that Dr. Henry G. Cramblett be appointed to the Pomerene Chair, adds its concurrence to the affirmation of the high esteem and regard which the University holds for Dr. Cramblett.

Upon motion of Mr. Immke, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-18

RESOLVED, That the report on the University's Investment Portfolio, dated June 30, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, September 3, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman



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**APPENDIX I**

**Degrees Conferred at**

**THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION**

**September 2, 1982**

## Commencement Speaker

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### **Dr. John Peter Minton**

Doctor John Peter Minton has earned four degrees from The Ohio State University: a bachelor of science in 1956, a doctor of medicine in 1960, a master of medical science in surgery in 1966, and a doctorate in microbiology in 1969. He was certified by the American Board of Surgery in 1969 and has been a licensed practicing physician in the state of Ohio since 1960. Throughout his career, Dr. Minton has been in the forefront of cancer research and treatment. He pioneered laser cancer research as early as 1963. As the American Cancer Society Professor of Clinical Oncology at Ohio State, he is an active and innovative cancer practitioner. His major areas of clinical investigation involve primary and secondary breast and colon cancers, metastatic liver cancer, and melanoma. He served as clinical associate at the National Cancer Institute and as Clinical Cancer Fellow at the American Cancer Society. The winner of the Mead Johnson Award for Graduate Training in Surgery, he is also the recipient of many other awards for teaching, research, and practice. Dr. Minton is a member of many honoraries and professional associations—including the American Medical Association, the Royal Society of Health, the Societe Internationale de Chirurgie, and the American College of Surgeons. An eminent teacher, an internationally recognized leader in his field, and a gifted speaker, he has distinguished himself and this University through his life and work, and his record of achievement cannot be done justice in these brief remarks. The University takes special pride in having one of its most distinguished alumni address the graduates of this its 281st commencement.

## Recipients of Honors

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### **John Wilson Black**

Doctor of Humane Letters

Dr. John Black's many contributions to the development of speech and hearing science have enriched his profession and have brought him national and international recognition as a scholar and a researcher. For over fifty years he has conducted research on the understanding of the speech process and on hearing disorders, as well as extensive studies of children's ethnic speech patterns. Dr. Black has been selected as an international consultant for his expertise on industrial noise and its effects, and he directed the Army Air Force Voice Communication Laboratory during World War II. The Presidential citation he received for this work is only one of many he has been given in recognition of his unique capabilities. A scholar and researcher for over fifty years, he has earned a reputation as a highly effective teacher, and many of his students have achieved national reputations as scholars, teachers, and administrators. Dr. Black is a prolific author, having written seven books and published over 100 articles in professional journals. A Fulbright Scholar, he is also a fellow of the National Science Foundation and an honorary member of Phi Beta Kappa. The University is privileged to honor Dr. Black for his many contributions to speech and hearing science and to higher education.

### **Russell W. Peterson**

Doctor of Humane Letters

Dr. Russell Peterson, the president of the National Audubon Society, is a nationally recognized scientist and environmentalist. A businessman, community leader, former state governor, and federal executive, he has a unique combination of skills that have brought him national recognition in both the public and the private sectors. After receiving his Ph.D. in chemistry from Harvard University in 1942, he began his business career with the Du Pont Company. He served for 26 years in research, development, production, and sales and then ran for and won the office of governor of Delaware. As governor, he was responsible for numerous innovations in the structure of that state's government. A committed environmentalist, Dr. Peterson served as chairman of the U.S. Council on Environmental Quality and was a board director of the U.S. Association for The Club of Rome and of the World Wildlife Fund. He founded New Directions, a citizen's group that lobbies on global issues. His numerous awards include the World Wildlife Fund Gold Medal, the American Academy of Achievement Golden Plate Award, and the National Wildlife Federation's Conservationist of the Year Award. Dr. Peterson reflects both the scope and direction of informed leadership that Ohio State seeks to inculcate in its student body. The University community takes great pride in bestowing upon Dr. Peterson its highest honor for his outstanding efforts at making our world a better place in which to live.

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## **George Ledyard Stebbins**

Doctor of Science

Professor G. L. Stebbins is one of the world's leading authorities on the evolution of plants. He has extensively researched the evolutionary processes in natural populations and the origin of species of plants native to California, as well as certain cereals and grasses of economic importance. His book, *Variation and Evolution in Plants*, published in 1950, demonstrated how genetics and chromosomal variation apply to plant evolution. This book has guided plant geneticists, evolutionists, and plant breeders throughout the world. He has written five other books and published numerous articles. Since joining the faculty of the University of California, Professor Stebbins has taught both graduate and undergraduate students and has recently developed courses that combine the study of biology and the liberal arts. In recognition of his excellent teaching skills, he was awarded a Distinguished Teaching Award by the University of California, Davis. Professor Stebbins' knowledge of plant evolution and the plant distribution and native habitats of California has enabled him to serve as an effective spokesman for the preservation of important natural areas in the state. A graduate of Harvard University, he was awarded a Guggenheim Fellowship in 1954 and again in 1960. Professor Stebbins is a member of many honoraries and learned societies, including the National Academy of Science, the American Academy of Arts and Sciences, and the American Philosophical Society. In bestowing this honor, the University seeks to recognize Professor Stebbins for his longstanding commitment to his community, to his profession, and to higher education in general.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Musical Arts

Heather J. Parr, Cuyahoga Falls; B.A., B.S. (University of Akron); M.M. (University of Kentucky); *Music*; *Dr. Mario Aich*

## Doctor of Philosophy

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- Sharon Depinet Rose, Perrysburg; B.S.Bus.Adm.; *Accounting*
- Mark Andrew Rovnak, Youngstown; B.S.B.A. (Youngstown State University); *Accounting*
- Alan Farrish Spear, Montgomery, Ala.; B.S. (University of Alabama); *Accounting*
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- Joan Tracy Hamilton, Mansfield; B.S.Ed.; *Education*
- Susan Elizabeth Hamilton, Springfield; B.A.; *English*
- Brenda June Harman, Circleville; D.D.S.; *Education*
- Melonie T. Harnish, Dublin; B.S.Ed.; *Education*
- Katherine Anne Harper, Columbus; B.A.; *Education*
- Mark Wayne Harrell, Delaware; B.S. (Grand Valley State College); *Education*
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- Janice Lynn Hendrickx, Mount Vernon; B.A. (Mount Vernon Nazarene College); *Communication*
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- Karen Lee Hoskinson, Columbus; B.S. (Miami University); *Education*
- Tora Fernald Huntington, Columbus; B.A. (Earlham College); *Education*
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- David Selwood, Bodmin, Great Britain; B.A. (Portsmouth Polytechnic); *Geography*
- Biswarup Sen, Calcutta, India; B.S. (Saint Xavier's College); M.A. (Jawaharlal Nehru University); *Journalism*
- Joyce Slater Seretny, Columbus; B.S. (Southern Connecticut State College); *Education*
- Joseph Anthony Shivers, Salem; B.A. (Baldwin-Wallace College); *Education*
- Michael Joseph Shibinski, Columbus; B.A. (Butler University); *Physical Education*
- Catherine Lamar Shoemaker, Athens; B.S.Ed. (Ohio University); *Physical Education*
- Jo Short, Columbus; B.S.; *Education*
- Carolyn Dalsey Showalter, Columbus; B.S.; *Mathematics*
- Donna Lynn Silber, Mount Prospect, Ill.; B.S.; *Physical Education*
- Sandra Lynne Sims, Darby, Pa.; B.S. (Cheyney State College); M.A.; *Education*
- Michael Drew Sisson, Columbus; B.S. Agr.; *Romance Languages and Literatures*
- Gary Lee Slone, Chicago, Ill.; B.F.A. (University of Illinois); *Art*
- Jane McDaniel Smith, Lancaster; B.S. Nurs. *Physical Education (Health Education)*
- Lillian Delores Smith, Columbus; B.S. (Wayne State University); *Education*
- Robert Michael Smith, Toledo; B.A. (University of Toledo); *History*
- Steven Lynn Smith, Columbus; B.F.A.; *Industrial Design*
- Margaret Crely Snaider, Columbus; B.A. (State University of New York at Plattsburgh); *Communication*
- Mary Katherine Snider, Lancaster; B.S. (Ohio University); *Education*
- Mary Martha Snyder, Lexington; B.S. (Wittenberg University); *Education*
- Susan Linda Snyder, Bowling Green; B.S. (Bowling Green State University); *Education*
- Andrea Michelle Solomon, Cincinnati; B.A. (University of Cincinnati); *Linguistics*
- Elizabeth Anne Somer, Eugene, Oreg.; B.S. (Oregon State University); *Physical Education (Health Education)*
- Judith Lenze Sparks, St. Marys, Pa.; B.S.Ed.; *Education*
- Gary Lee Speelman, Kingston; B.S. (Moorhead State University); *Agricultural Education*
- Karen Lynn Spooner, Columbus; B.A. (Ohio Dominican College); *Education*
- Stephen Roger Stahley, Whitehall; B.A. (Capital University); *Physical Education*
- Suzanne Crawford Starkey, Columbus; B.S.Ed.; *Education*
- Donna Felmy Staz, Columbus; B.S. (Kent State University); *Education*
- Sandra Louise Stephens, North Olmsted; B.S. (Miami University); *Education*
- Mark E. Stevens, Columbus; B.S. (Kent State University); *Education*
- Peggy Ann Stevens, Avon; B.S. (Bowling Green State University); *Education*

- Teresa Rose Stojkov, Cleveland; B.A.; *Romance Languages and Literatures*
- Debra Jean Strouse, Howard; B.S. (Mount Vernon Nazarene College); *Education*
- Laurie Faye Stull, Covina, Calif.; B.A., B.A. (California State University, Chico); *Education*
- Marisa Angela Surace, Columbus; B.S.Ed.; *Education*
- Judy Hopkins Sweeney, Westerville; B.Mus.Ed.; *Music*
- Thomas Lester Sweigard, Columbus; B.S. (Bowling Green State University); *Education*
- LuAnn Swoyer, Pickerington; B.S.Ed.; *Education*
- Wilhelmina Alida Szabo, Columbus; B.A. (Ohio Dominican College); *Education*
- Julie Lynne Taylor, Columbus; B.Music (Miami University); *Education*
- Marybeth Thomas, New Kensington, Pa.; B.S. (Edinboro State College); *Education*
- Patricia Ann Thompson, Pataskala; B.A. (Muskingum College); *Education*
- David Allen Towers, Columbus; B.A. (University of Massachusetts); *Education*
- Sue Mosley Trakas, Reynoldsburg; B.S.Ed. (Ohio University); *Education*
- Richard Edward Travis, Columbus; B.S.Ed.; *Education*
- Cynthia Faye Traylor, Montgomery, Ala.; B.S. (Alabama State University); *Education*
- Linda Hall Trevillian, Lima; B.S., M.A.; *Education*
- John Keith Trohoske, Erie, Pa.; B.A. (Gannon College); *Journalism*
- Constance Lynn Trytek, Grove City; B.S.Ed.; *Education*
- Diana Evans Vance, Cuyahoga Falls; B.A., B.S.; *Theatre*
- Marie VanDerveer, Columbus; B.A. (State University of New York at Fredonia); *Education*
- Pamela Gaich VanHorn, Columbus; B.S.Ed.; *Education*
- Keith Duane Veale, Owosso, Mich.; B.A. (John Wesley College); *Physical Education*
- Connie Dianne Veley, Westerville; B.S.; *Education*
- Susan Ann Voccia, Brookfield, Conn.; B.S. (Western Connecticut State College); *Education*
- Jennifer Jane Voreis, Plymouth, Ind.; B.S. (Saint Joseph's College); *Physical Education*
- Frank J. Vulpi, New York, N. Y.; B.Music (State University College at Potsdam); *Music*
- James H. Wagner, Jr., Farmington, Conn.; B.G.S. (University of Kansas); *Photography and Cinema*
- Susan Patricia Walden, Dunkirk; *Physical Education*
- Mindy Marie Walker, Lynchburg; B.A.; *Political Science*
- Li-Ling Lillian Wang, Taipei, R.O.C.; B.Edu. (National Taiwan Normal University); *Education*
- Sandra Croce Warner, Columbus; B.F.A.; *Photography and Cinema*
- Kathleen M. Warrick, Celina; B.A., M.Ed. (Kent State University); *Journalism*
- Pamela Dianne Warrick, Newark; B.A.; *Education*
- Cheryl Ann Washington, Lexington; B.S. (Miami University); *Education*
- Keith I. Wasserman, Bridgeton, N. J.; B.A. (Rutgers University); *Journalism*
- Gale Ann Watson, Bridgeport; A.B. (West Liberty State College); *Mathematics*
- Gary N. Watson, London; B.A. (MacMurray College); *Education*
- William Van Watson, Akron; B.A., B.A. (Kent State University); *Theatre*
- Kimberle Lynnette Waugh, Crown City; B.M. (Capital University); *Music*
- Nancy Dean Webb, New Orleans, La.; (Emory University); *Education*
- Lynn Murphy Wechter, Shelby; B.S.Ed.; *Education*
- Marilyn Brown Weiler, Mount Gilead; B.S. (Otterbein College); *Education*
- Virginia Beamer Weinhold, Worthington; B.A. (Cornell University); B.S.; *Industrial Design*
- Carol Ann Welk, Galloway; B.M.E. (University of Cincinnati); *Music*
- Judith Karen Wendt, Columbus; B.S.; *Education*
- Gregory Mel Wieland, Columbus; B.S.; *Education*
- Carol Ann Williams, Columbus; *Education*
- Helen McKay Williams, Columbus; B.S.Ed.; *Education*
- Robert Donald Williams, Columbus; B.S.Bus.Adm.; *Physical Education*
- Charles Christian Willmore, Westerville; B.S.Ed.; *Education*
- Deborah Jeanne Wilson, Columbus; B.S.Ed.; *Education*
- Darla Joy Winchel, Reynoldsburg; (Marion College); *Education*
- Marcia Jo Woodfill, Columbus; B.S. (Bowling Green State University); *Communication*
- Sandra Dee Woods, New York, N. Y.; B.A. (Elizabeth City State University); *Sociology*
- Betty Hok-Ming Yeung, Taipei, R.O.C.; B.A. (Soochow University); *Journalism*
- Susan Tarrant Zimmermann, Columbus; B.A. (North Texas State University); *Education*
- Crista Zivanovic, East Chicago, Ind.; B.A. (Northwestern University); *Journalism*
- Jenny Jane Zorn, Sidney; B.A. (Flagler College); *Geography*

## Master of Business Administration

Hirudayaraj Arockiaswamy, Tiruchi, India; B.S. (University of Madras); M.S.; *Business Administration*

Penelope Caroline Bach, Columbus; B.A.; *Business Administration*

Susan Arlene Carpenter, Columbus; B.A. (Wesleyan University); *Business Administration*

John Philip Dechow, Abingdon, Ill.; B.S.M.E., M.S.M.E. (University of Illinois); *Business Administration*

Elizabeth Anne Dworak, Springfield, Mo.; B.S. (University of Missouri); *Business Administration*

Sandra Werth Harbrecht, Columbus; B.S. (Kent State University); M.A.; *Business Administration*

Joann P. Harvey, Warren; B.S. (Miami University); *Business Administration*

John D. Lautermilch, Columbus; B.A. (Virginia Polytechnic Institute and State University); *Business Administration*

Rick L. Mabry, Columbus; B.A. (Wittenberg University); *Business Administration*

Thomas Kennedy McMackin, Cincinnati; B.A. (MacMurray College); J.D. (University of Cincinnati); *Business Administration*

Robert Ernest Medley, Troy; B.S. (Wright State University); *Business Administration*

Carol Regina Miller, Newark; B.S.; *Business Administration*

Tae Kyung Moon, Newark, Del.; (University of Delaware); M.A.; *Business Administration*

Christine A. Murnane, Columbus; B.S.Bus.Adm.; *Business Administration*

Michael Joseph Pesch, Rochester, Minn.; B.A. (University of Minnesota); M.S.; *Business Administration*

Earle Richardson, Salt Lake City, Utah; B.S.Bus.Adm.; *Business Administration*

Joseph Richard Rosenbaum, Westerville; B.S., J.D.; *Business Administration*

Charles Bruce Ruzicka, Gahanna; B.S.Ed.; *Business Administration*

Mary Brown Wolverson, Shaker Heights; B.A. (Case Western Reserve University); *Business Administration*

## Master of City and Regional Planning

Matthew Walter Granger, Bedford, B.A. (University of Dayton); *City and Regional Planning*



David Francis Greene, Columbus; B.S.Land.Arch.; *City and Regional Planning*

Luis R. Martínez, Bogota, Colombia; Architect (Universidad Nacional de Colombia); M.A.; *City and Regional Planning*

Diane Carol Raef, Lexington, Ky.; B.S. (Western Kentucky University); *City and Regional Planning*

Carol Jean Scherbarth, Lima; B.A. (University of Florida); *City and Regional Planning*

Rengin Ayse Yurdakul, Ankara, Turkey; (Middle East Technical University); *City and Regional Planning*

### Master of Fine Arts

Randall Carl Bolton, Irving, Tex.; B.F.A. (North Texas State University); *Art*

Sharon Sue Campbell, Dayton; B.F.A. (Wright State University); *Theatre*

James Robert Charter, Jerseyville, Canada; B.A. (University of Guelph); *Art*

Robin Elaine Cook, Chillicothe; B.F.A.; *Art*

Nancy S. Elkins, Beverly, Mass.; B.F.A. (University of Massachusetts); *Art*

Shirley Ann Gromen, Suitland, Md.; B.F.A. (Maryland Institute of Art); *Art*

Annie Myung-Ja Kwon, Seoul, Korea; B.A. (California State University—Sacramento); *Art*

Michael Neal Noland, Lawton, Okla.; B.A. (Cameron University); *Art*

Arthur Howard Orr, Louisville, Ky.; B.F.A. (Louisville School of Art); *Art*

Jennifer Ranz, Minneapolis, Minn.; B.A. (University of Massachusetts); *Art*

Brian Scott Neverman, Columbus; B.F.A. (University of Dayton); *Art*

Michael L. Scheiner, Philadelphia, Pa.; B.F.A. (Rhode Island School of Design); *Art*

David Jeffrey Spither, Highland, Ind.; B.F.A. (John Herron School of Art); *Art*

Silvia Patrice Stewart, Lubbock, Tex.; B.A. (Texas Technological University); *Art*

William Strzempke, Springfield, Mass.; B.A. (Northeastern University); *Theatre*

### Master of Health Administration

Mary Kay Fullenkamp, Cincinnati; B.S.; *Allied Medical Professions*

Alan Morris Mendeloff, Charleston, W. Va.; B.A. (Miami University); *Allied Medical Professions*

Mark Allen Pemberton, Dayton; B.S. (Wright State University); *Allied Medical Professions*

Peter Michael Steiner, Dayton; B.S. (University of Notre Dame); *Allied Medical Professions*

Christopher R. Veenis, Pittsburgh, Pa.; B.A. (University of Florida); *Allied Medical Professions*

### Master of Labor and Human Resources

Cynthia Sue Burnell, Louisville; B.A. (University of Akron); *Labor and Human Resources*

Joseph Michael Clement, Troy, N. Y.; B.A. (Augusta College); *Labor and Human Resources*

Mary Katherine DeJohn, Warren; B.A. (Bowling Green State University); *Labor and Human Resources*

Enid J. LaGesse, Cleveland; B.S.B.A. (Roosevelt University); *Labor and Human Resources*

Byungnam Lee, Seoul, South Korea; B.A. (Sogang University); *Labor and Human Resources*

Daniel Brian McColgan, Saginaw, Mich.; B.A. (Michigan State University); *Labor and Human Resources*

Michael Donald Muenchen, Cincinnati; B.S.B.A. (Xavier University); *Labor and Human Resources*

Thomas G. Oxley, Findlay; B.A. (Miami University); *Labor and Human Resources*

Barbara Sean Pierce, Glastonbury, Conn.; B.A. (University of Hartford); *Labor and Human Resources*

Susan Rita Studd, Dublin; B.A. (Clark University); *Labor and Human Resources*

### Master of Music

Philip Lee Burson, Bluffton; B.M.E. (Wittenberg University); *Music*

Glen Roger Davis, Marion, N. C.; B.M. (Berklee College of Music); *Music*

Mark Snyder DeTurk, Goshen, N. Y.; B.M. (University of Wisconsin—Madison); *Music*

Kirk William Lawson, Rock Island, Ill.; B.M. (DePauw University); *Music*

Gordon Ray Nicely, Reynoldsburg; B.Mus. B.Mus.Ed.; *Music*

Timothy Kean Strelau, Olmsted Falls; B.M.E. (Baldwin-Wallace Conservatory); *Music*

### Master of Public Administration

Bradford Simeon Hopkins, Cincinnati; B.A. (Otterbein College); *Public Administration*

### Master of Science

Khadiga Abbas Abdel-Ati, Khartoum, Sudan; B.V.Sc. (Khartoum University); *Poultry Science*

Patricia-Lee Achorn, Waltham, Mass.; B.A. (Keuka College); *Zoology*

Thomas Lawrence Adams, Columbus; B.S.I.S.E.; *Industrial and Systems Engineering*

Teri E. Adelman, Park Forest, Ill.; B.S.; *Microbiology*

Yousif Nasser Aldryhm, Riyadh, Saudi Arabia; B.S. (Riyadh University); *Entomology*

Donald Wilson Archer, Circleville; B.S.; *Agricultural Education*

Brent Allen Archinal, Dover; B.S.; *Geodetic Science*

Robert Searls Arnot, Livermore, Calif.; B.S.Eng.Tech. (California Polytechnic State University); *Welding Engineering*

Amos Lavi Bahiri, Netanya, Israel; B.Sc. (Tel-Aviv University); *Mathematics*

Deborah Louise Bainer, Columbus; B.S. (Geneva College); *Natural Resources*

Mary Helen Baker, Zanesville; B.S.N. (Capital University); *Nursing*

Ralph P. Becker, Portland, Oreg.; B.S. (University of Oregon); *Geology and Mineralogy*

Rosella I. Beebe, Marietta; B.S.Nurs.; *Nursing*

Bruce Michael Bernhoft, Shreveport, La.; B.S. (Louisiana State University); *Agricultural Economics and Rural Sociology*

Robert Thomas Biedron, South Plainfield, N. J.; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*

Leisa Rae Boley, Coldwater; B.S.Agr.; *Agricultural Education*

William Arthur Bow, Saginaw, Mich.; B.A. (Albion College); *Geology and Mineralogy*

Mark Alan Bowers, Salem, Va.; B.S. (Virginia Polytechnic Institute); *Electrical Engineering*

Mary Katherine Boyd, Columbus; B.S.H.E.; *Home Economics*

Roger Douglas Braun, Columbus; B.S.Pharm.; *Pharmacy*

Andrew Breeze-Stringfellow, Tewkesbury, England; B.Sc.Hons. (Bristol University); *Aeronautical and Astronautical Engineering*

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Jodi Lynd Brown, Elyria; B.S.; *Zoology*

T. Frank Brown, Jr., Stockdale; B.S.M.E.; *Mechanical Engineering*

- Richard B. Brucker, Amherst; B.S. Food Sc.; *Food Science and Nutrition*
- David Bruce Buchanan, Wilmington; B.S. (Case Western Reserve University); *Geology and Mineralogy*
- Pamela Ann Burdette, Georgetown, Ky.; B.S. (Kentucky State University); *Home Economics*
- Jill C. Burrington, Spokane, Wash.; B.S. (Seattle University); *Allied Medical Professions*
- Richard Clayton Camp, Bakersfield, Calif.; B.S., D.V.M. (University of California at Davis); *Veterinary Pathobiology*
- Charles Peter Carstensen, Toledo; B.S.; *Physics*
- Saiwaryn Chaiwanichsiri, Bangkok, Thailand; B.S. (Kasetsart University); *Food Science and Nutrition*
- Chi Hou Chan, Kowloon, Hong Kong; B.S.E.E.; *Electrical Engineering*
- Tzu-Chuan Chan, Taipei, R.O.C.; B.S. (National Cheng-Kung University); *Mechanical Engineering*
- Meichi Chen, Taichung, R.O.C.; B.S. (National Taiwan Normal University); *Mathematics*
- Hee-Kyung Cho, Jeonju, Korea; B.A. (Kyung-Hee University); B.S. (University of Seattle); *Home Economics*
- Yon-Chun Chou, Tainan, R.O.C.; B.S. (National Taing Hua University); *Industrial and Systems Engineering*
- Yan-Hwa Chu, Taipei, R.O.C.; B.S. (Fu Jen University); *Food Science and Nutrition*
- Fu-Sheng Chuang, Kaoshiung, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*
- Andrew Leigh Clarke, Melbourne, Australia; B.A.S. (Royal Melbourne Institute of Technology); *Geodetic Science*
- Clayton Henry Coffey, Guysville; B.S.; *Agricultural Education*
- Donna Faye Crooks, Mount Sterling, Ky.; B.S. (Kentucky State University); *Home Economics*
- Jaime Yap Cruz, Manila, Philippines; B.S.G.E., M.Eng. (University of the Philippines); *Geodetic Science*
- Karen Mary Cunningham, New York, N. Y.; B.A. (Mt. Holyoke College); *Zoology*
- Winston R. De la Torre, Rio Piedras, P. R.; B.S. (University of Puerto Rico); *Biochemistry*
- Teresa A. Diltz, Reynoldsburg; B.S.; *Agricultural Economics and Rural Sociology*
- Laurie G. Doyle, Silver Spring, Md.; B.S. (University of Maryland); D.V.M.; *Veterinary Preventive Medicine*
- James Michael Dunlea, Youngstown; B.A. (Northwestern University); *Physics*
- Roger Raymond Dzwonczyk, Columbus; B.S. (Northeastern University); *Biomedical Engineering*
- Earl Alan Emerson, Clayton, Del.; B.E.E. (University of Delaware); *Electrical Engineering*
- Holly Bradt Ernest, Macedon, N. Y.; B.S. (Cornell University); *Veterinary Physiology and Pharmacology*
- Douglas M. Farley, Avon Lake; B.S.M.E.; *Mechanical Engineering*
- Hamid Farzan, Tehran, Iran; B.S. (Aryamehr University); *Mechanical Engineering*
- Roland Fernandes, Bombay, India; B.S. (Bombay University); M.S., M.B.A. (Ohio University); *Computer and Information Science*
- Jeffrey Allen Ficke, Cincinnati; B.S.M.E.; *Mechanical Engineering*
- Linda Sue Freeman, Edgerton; B.S.; *Animal Science*
- Gregory Allen Fuller, Conneaut; B.S.Met.E.; *Metallurgical Engineering*
- Matthew Werner Ganz, Rossford; B.S.E.E.; *Electrical Engineering*
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- Richard Todd Gass, Columbus; B.S.Met.Engr. (Purdue University); *Metallurgical Engineering*
- Alain Gauthier, Columbus; B.Sc. (Laval University); *Physics*
- Jacob Astor Gayle, Jr., Lancaster, N. Y.; B.A. (Oberlin College); *Preventive Medicine*
- Folarin Gbadebo-Smith, Lagos, Nigeria; H.S.C., B.D.S. (University of Lagos); *Dentistry*
- Gaby A. Ghossain, Zahle, Lebanon; B.S. (University of Southwestern Louisiana); *Electrical Engineering*
- Ashok Kumar Goel, Kurukshetra, India; B.Sc. Physics (Kurukshetra University); M.S.; *Computer and Information Science*
- Rebecca Lynn Gonso, Euclid; B.S.N.; *Nursing*
- Bruce Harvey Gray, Columbus; B.A. (The College of Wooster); *Biochemistry*
- Jeffrey Alan Greenberg, New York, N. Y.; B.A. (Grinnell College); *Anatomy*
- Douglas Kent Greenwald, Rancho Cordova, Calif.; D.D.S.; *Dentistry*
- Thomas Alan Greetham, Lima; B.S.M.E.; *Mechanical Engineering*
- Frank Steven Gruber, Kettering; B.S. (Bowling Green State University); *Industrial and Systems Engineering*
- Ignacio Guarda, Valdivia, Chile; B.A., D.V.M. (University of Chile); *Veterinary Anatomy*
- Vicki Jane Hale, Columbus; B.S.N. (Ohio University); *Nursing*
- Elliott R. Heisman, Glenside, Pa.; B.S. (Delaware Valley College of Science and Agriculture); *Animal Science*
- Thomas Arthur Henry, Akron; B.S.; *Zoology*
- Jane Ann Hergatt, Mansfield; B.S.; *Home Economics*
- Diane Marie Hickam, Pittsburgh, Pa.; B.S.N. (Duke University); *Nursing*
- Song-Tao Ho, Taipei, R.O.C.; B.Eng. (Fen-Chia College); *Civil Engineering*
- Charles Luther Hofacre, Wooster; B.S.; *Poultry Science*
- Shou-Shing Hsieh, Keelung, R.O.C.; B.S.M.E., M.S.M.E. (National University); M.S.M.E. (Drexel University); *Nuclear Engineering*
- Yet-Chyun Alan Huang, Taipei, R.O.C.; B.S. (National Chiao Tung University); *Civil Engineering*
- Diana M. Huff, Anderson, Ind.; B.S., B.A. (Purdue University); *Nursing*
- Julianne Hunter, Kettering; B.S.; *Preventive Medicine*
- Agnes Regina Jochenning, Cleveland; B.S.Agr.; *Dairy Science*
- Jeffrey Lee Johnson, Columbus; B.S.; *Preventive Medicine*
- Stephen Michael Johnson, Seneca, Pa.; B.S. (Pennsylvania State University); *Allied Medical Professions*
- Susan Elizabeth Johnson, Columbus; D.V.M. (Purdue University); *Veterinary Clinical Sciences*
- Karl Henry Joplin, Worthington; B.S. (University of Washington); *Entomology*
- Tai-ming Jou, Taipei, R.O.C.; B.S. (The National Taiwan College of Marine and Oceanic Technology); *Mechanical Engineering*
- Jiang-Tsuen Ju, Chang-Hwa, R.O.C.; B.S.E.E. (National Chao-Tung University); *Electrical Engineering*
- Joseph David Kalen, Columbus; B.S. (State University of New York); *Physics*
- Naomasa Kaneko, Yokohama, Japan; B.S. (Waseda University); *Industrial and Systems Engineering*
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- Janet S. Kasler, Warren; B.A.; *Preventive Medicine*
- Gail Leslie Kaye, Springfield, Pa.; B.S. (West Virginia Wesleyan College); *Allied Medical Professions*
- Mark Alan Kleffner, Columbus; B.S.; *Geology and Mineralogy*
- Dale Edward Kocarek, Painesville; B.S.C.E.; *Civil Engineering*
- Chapin Ferré Koch, New York, N. Y.; B.S. (St. Lawrence University); *Geology and Mineralogy*

- Ruth Anne Koutras, Canton; B.S.; *Preventive Medicine*
- Kathy Krill, Belle Vernon, Pa.; B.S. (Indiana University of Pennsylvania); *Home Economics*
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- Lou Ellen Lamb, Longview, Tex.; B.A. (Occidental College); *Agronomy*
- David Andrew La Rosa, Kokomo, Ind.; B.S.E.E.; *Electrical Engineering*
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- Yung-Huei Lee, Taipei, R.O.C.; B.S. (National Chiao Tung University); *Electrical Engineering*
- Kathleen Johnson Lennon, Ashland, Ky.; B.S.Nurs.; *Nursing*
- Da-Tung Liang, Taipei, R.O.C.; B.Eng. (College of Chinese Culture); *Ceramic Engineering*
- Jui-Chuan Liang, Taiwan, R.O.C.; B.S. (National Central University); M.S.; *Electrical Engineering*
- Chung-Yi Lin, Taipei, R.O.C.; B.S. (Tunghai University); M.S. (Ohio University); *Physics*
- Walter Steven Litkovitz, Columbus; B.S.E.E. (University of Michigan); *Electrical Engineering*
- Fun-Kai Kenny Liu, Taipei, R.O.C.; B.S. (National Cheng Kung University); *Electrical Engineering*
- Fwu-Lin Liu, Taichung, R.O.C.; B.S. (National Taiwan University); *Engineering Mechanics*
- Debra G. Loff-Like, Sciotoville; B.A. (Hartwick College); *Preventive Medicine*
- Hugo Lopez, Saltillo, Mexico; B.Sc. (Instituto Tecnológico de Saltillo); *Metallurgical Engineering*
- Claude Pierre Lorensen, Montreal, Canada; B.Sc. (Université Laval); *Physics*
- Tod Lampson Lovan, Columbus; B.S.Chem. (Wheaton College); *Biochemistry*
- Ching-Sung Lu, Yun-Lin Hsien, R.O.C.; B.S., M.S.E. (National Cheng Kung University); *Computer and Information Science*
- Paula Jean Lucas, Pepper Pike; B.A. (Ohio Wesleyan University); *Home Economics*
- Anne Elizabeth Lyon, Chattanooga, Tenn.; B.S.Agr.; *Natural Resources*
- John Louis Macko, West Bloomfield, Mich.; B.S. (John Carroll University); *Natural Resources*
- Sriram Mahalingam, Madras, India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*
- Kamal Naif Majeed, Basrah, Iraq; B.Sc. (University of Basrah); Diploma (University of Technology at Baghdad); *Electrical Engineering*
- Asaye Mamo, Columbus; Diploma (Polytechnic Institute); M.Sc. (Lenn Polytechnic Institute); *Chemical Engineering*
- Francis Allen Mansfield, Oakwood; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*
- Jorge Marin Guzmán, San Jose, Costa Rica; B.S. (Universidad de Costa Rica); *Animal Science*
- James M. Martin, Hammond, Ind.; B.B.A. (University of Cincinnati); B.S.; *Horticulture*
- Fernando Martinez, Uruapan, México; (Instituto Tecnológico de Monterrey); *Electrical Engineering*
- Randall Claude Masterson, Somerset; B.S.Agr.; *Agricultural Education*
- Judith Ann Mastrine, Columbus; B.S.H.E.; *Home Economics*
- Paul Alan Mazur, North Royalton; B.S., M.S. (Bowling Green State University); *Natural Resources*
- Victoria Suomela McCauley, Columbus; B.A. (Carleton College); *Chemical Engineering*
- Manu Mehta, Jullundur City, India; B.S.E.E.; *Electrical Engineering*
- Joseph A. Messuri, Youngstown; B.Eng. (Youngstown State University); *Civil Engineering*
- James A. Miele, Levittown, Pa.; B.S. (Delaware Valley College); M.S. (Rutgers University); *Veterinary Pathobiology*
- Terry Freda Miele, Belleville, N. J.; B.S. (Rutgers University—Cook College); *Entomology*
- Cathleen G. Minges, Cincinnati; B.S. (University of Cincinnati); *Microbiology*
- Janet Marie Mink, Youngstown; B.S.A.S., M.S.Ed. (Youngstown State University); *Nursing*
- Yadollah Kewmars Mohammad-Makki, Tehran, Iran; B.S. (Tehran University); M.S. (West Coast University); *Computer and Information Science*
- Michael Brian Montalto, Newark; B.S. Nutrition; *Home Economics*
- Ahmad Nahvi, Centerburg; B.S.E.E.; *Electrical Engineering*
- Goutham Natarajan, Madras, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Dolf Claud Nation; B.A. (California State University); *Geodetic Science*
- Joseph William Needham, Overland Park, Kans.; B.B.A. (Southern Methodist University); *Agricultural Economics and Rural Sociology*
- Philip Andrew Neff, Bucyrus; B.S.; *Agricultural Education*
- Peter Francis Noronha, Bangalore, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Mohammad Salameh Obaidat, Kofrsoum, Jordan; B.S. (Aleppo University); *Electrical Engineering*
- Gene Arnold Oleynik, Springfield; B.S.; *Physics*
- Ernest Christopher Orton, Columbus; B.S. (Oregon State University); D.V.M. (Washington State University); *Veterinary Clinical Sciences*
- Jaе Won Park, Seoul, Korea; B.Agr. (Konkuk University); *Animal Science*
- Lynette Marie Parker, Columbus; B.A. (West Liberty State College); *Industrial and Systems Engineering*
- T. A. Parthasarathy, Madras, India; B.Tech. (Indian Institute of Technology); *Metallurgical Engineering*
- Gregory Henry Peterson, Roselle Park, N. J.; B.A. (Rutgers University); *Veterinary Physiology*
- Betty R. Pethel, Cambridge; B.S.N. (Capital University); *Nursing*
- Brett A. Pigon, Amherst; B.S.E.E.; *Electrical Engineering*
- Lisa Jane Piper, Scotia, N. Y.; B.S. (Purdue University); *Electrical Engineering*
- Lydia Aida Pourzanjani, Bay Village; (Miami University); *Home Economics*
- Samuel Muthiah Prabhakar, Madras, India; B.E. (University of Madras); *Electrical Engineering*
- Mostafa Golpeykar Radi, Tehran, Iran; B.S. (University of Illinois); *Electrical Engineering*
- Richard Todd Ricketts, Pickerington; *Agricultural Education*
- Bertrand Gerard Robins, Marysville, Wash.; B.A. (University of Washington); *Welding Engineering*
- Joan Timberlake Rosano, Livermore Falls, Maine; B.A. (Central Connecticut State College); *Chemistry*
- Joy Roy, Varanasi, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Michael A. Ruizzo, Magnolia, N. J.; B.S. (Rutgers University); *Horticulture*
- Nicholas Thomas Saltos, Patras, Greece; (University of Bologna); M.S. (Worcester Polytechnic Institute); *Nuclear Engineering*

Katherine Sarlo, Bay Shore, N. Y.; B.S. (State University of New York at Stony Brook); *Microbiology*

Jack Howard Schlanser, Jr., Cincinnati; B.S. Food Sci.; *Food Science and Nutrition*

Pamela Gay Schweikert, Cincinnati; B.S.N. (Miami University); *Nursing*

Gamal Ibrahim Selim, Cairo, Egypt; B.Sc. (Military Technical College); *Electrical Engineering*

Asok Kumar Sen, Calcutta, India; B.Sc. (Calcutta University); M.Sc. (Jadavpur University); *Physics*

Timothy Leo Sheaf, Columbus; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*

David Semmes Sherill, Clemson, S. C.; B.S. (Clemson University); *Physics*

Shizuo Shinada, Kashiwazaki, Japan; B.Eng. (Tohoku University); *Mechanical Engineering*

Maxine Lorraine Shivalier, Kingsland, Ga.; B.S. (Fort Valley State College); *Home Economics*

Thomas Halle Sinks, Jr., Shaker Heights; B.S. (Tulane University); *Preventive Medicine*

Yusef Saleh Siraj-Ali, Makkah, Saudi Arabia; B.S. (Riyad University); *Horticulture*

James P. Skon, Delaware; B.A. (Mount Vernon Nazarene College); *Computer and Information Science*

Carolyn Bishop Slack, Canal Winchester; B.A. (Boston University); *Preventive Medicine*

Herbert M. Smith, Cincinnati; B.A. (Capital University); B.S.Pharm.; *Pharmacy*

Lisa Annette Smith, Yellow Springs; B.S.; *Natural Resources*

Theresa Marie Smith, Browns Mills, N. J.; B.S. (University of Delaware); *Chemistry*

Mary Ann Spanovich, Carmichael, Pa.; B.S. (Indiana University of Pennsylvania); *Home Economics*

Willie Antonio Spencer, Martinsville, Va.; B.S. (University of Maryland—Eastern Shore); *Civil Engineering*

Jeffrey Rheinhold Stenzel, Cleveland Heights; B.A. (Case Western Reserve University); *Zoology*

Richard Scot Stewart, Racine, Wis.; B.S. (University of Minnesota); *Natural Resources*

Mary Lynn Stockdale, Madison, Ind.; B.S. (Purdue University); *Animal Science*

Balasubramanian Kandaswamy Sundararaj, Pollachi, India; B.Tech. (Indian Institute of Technology); *Metalurgical Engineering*

Linda Iona Sutton, Chillicothe; B.S. (Ohio University); *Allied Medical Professions*

Zainal-abdin Abdul-Majid Tahboub, Hebron, Jordan; B.Mech.Eng. (University of Helwan); *Industrial and Systems Engineering*

Andrew Dennis Thompson, Jr., Columbus; B.A. (Ohio Wesleyan University); *Zoology*

Alan Eugene Tischer, Mount Gilead; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*

Chi-Keng Tsai, Ching-Shuei, R.O.C.; B.S. (National Chiao-Tung University); *Electrical Engineering*

Hwai-Min Tsay, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Chemistry*

Terri Sue Turner, Dayton; B.S.; *Nursing*

Bruce David Uhal, Columbus; B.S. Nutrition; *Food Science and Nutrition*

Edwin Lynn Utt, Pittsburgh, Pa.; B.S.E.E.; *Electrical Engineering*

Salomon Vainer, Mexico City, Mexico; D.D.S. (Universidad Tecnológica de México); *Dentistry*

Samuel O. Valéz-Delgado, Columbus; B.S. (University of Puerto Rico); M.S. (Kansas State University); *Agricultural Economics and Rural Sociology*

Victor Anthony Vinci, Canton; B.S. (Bowling Green State University); *Microbiology*

Naheed Wali, Hyderabad, India; B.Eng. (Bangalore University); *Biomedical Engineering*

Shu-jen Wang, Yung Ho, R.O.C.; B.S. (National Cheng Kung University); *Computer and Information Science*

Audrey G. Wanstreet, Cleveland; B.S. (Kent State University); *Horticulture*

Linda Sue Wendeln, Columbus; B.S.; *Allied Medical Professions*

Beth Hamer White, Galena, B.S. (University of New Hampshire); *Agricultural Education*

Vythilingam Wijekumar, Viyaparimoolai, Sri Lanka; B.Sc. (University of Peradeniya); *Physics*

Leslie S. Wiles, Columbus; B.S.N. (Duke University); *Nursing*

Chris Paul Williams, Fairlawn; B.A.; *Biochemistry*

Eva Marie Williamson, Marietta; *Home Economics*

Jane Marie Winslow, Columbus; B.A. (Denison University); *Agricultural Economics and Rural Sociology*

Karen Ann Winters, Columbus; B.S.; *Veterinary Pathobiology*

Hsiu-Mei Wu, Taipei, R.O.C.; B.S. (Fu Jen Catholic University); *Horticulture*

Shan-Shan Yan, Yan-Ling, R.O.C.; B.S. (National Chung Shing University); *Horticulture*

Kenneth Michael Yocum, Steubenville; B.S. (Ohio University); *Nuclear Engineering*

Regina M. Young, Westerville; B.S. (Duke University); *Biochemistry*

Christine Ann Zerby, Pillow, Pa.; B.S.; *Home Economics*

Edward V. Zinni, Parma Heights; B.S.; *Geology and Mineralogy*

Kathleen Zopf-Herling, Columbus; B.S.N. (State University of New York at Plattsburgh); *Nursing*

## Master of Social Work

Beverly Elin Ekholm, Chicago, Ill.; B.S. (Bowling Green State University); *Social Work*

Beverly Sue Fischvogt-Uetricht, Cincinnati; B.S.Soc.Wel.; *Social Work*

Donna Jean Hicho, Broadview Heights; B.S.Soc.Wel.; *Social Work*

Maurice Joseph Lambert, Jr., Windsor, Conn.; B.A. (Marist College); *Social Work*

Eileen Lee, Cincinnati; B.A. (Louisiana State University); *Social Work*

Marilyn K. Shannon, Columbus; B.S.Soc.Wel.; *Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Patrick R. Dugan  
Vice Provost for the Arts and Sciences: Thomas A. Willke  
The Colleges of the Arts and Sciences, a federation of five colleges, include: College of the Arts  
College of Biological Sciences  
College of Humanities  
College of Mathematical and Physical Sciences  
College of Social and Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

Karen Jo Bates, Madison  
Elizabeth Warner Clark, Columbus  
Katherine D. Keenan, Columbus  
Robert Lee Kerr, Jr., Columbus  
Rhonda Jean Thompson, Marietta

### Bachelor of Fine Arts

Mary L. Bonasera, Columbus  
Clifton Bruce Chastain, Columbus  
Kendall Ann Childs, Dayton  
Colleen Linda Clark, Columbus  
Diana Lynn Cowgill, Columbus

Stephen Paul Frazer, Columbus  
 Mark Allen Gagnon, Salem  
 Grace A. Gassen, Columbus  
 René Marcel Glandorff, Columbus  
 Barton Dale Hawkinberry, Columbus  
 Shelly Marie Kirkham, Worthington  
 Tracee Ginger Laing, Granville  
 Lee Morrison Leighner, Columbus  
 Mariateresa Baisas Mendoza, Columbus  
 Farnaz Naghshineh, Tehran, Iran  
 Amy Faye Sloter, Columbus  
 Molly Joy Spiess, Dover  
 Cynthia Kaye Straten, Lancaster  
 Patricia Sue Tyznik, Columbus  
 Laurel Grace Wanner, Plattsburgh, N. Y.  
 James Loren Wasserstrom, Columbus  
 Beverly Ann Whaley, Newark  
 Kim Zesiger, Columbus

#### Bachelor of Art Education<sup>1</sup>

Joseph Wilbur Martin, Columbus  
 Anne Elizabeth Porterfield, Columbus

#### Bachelor of Art Education<sup>2</sup>

Bruce Eugene Jacklin, Columbus  
 Paula Danna Sherman, Galena  
 Dreama Faye Williams, Columbus

#### Bachelor of Music

Kristen Johanna Jones, Worthington  
 Dane Maxin Richeson, Columbus  
 Mark Alan Rush, Columbus

#### Bachelor of Music Education

C. Jill D'Addio, Worthington  
 Christopher Alan DiSanto, Columbus  
 Vickie L. Robinson First, Columbus  
 Jeffrey Thomas Hayman, Westerville  
 Michael Alan Peters, Zanesville  
 Katrina Spencer Ross, Columbus  
 Michael Paul Schaff, Sylvania  
 Curtis Gerald Weinrich, Jr., Columbus

#### Bachelor of Science in Industrial Design

John Erdmann Aldrich, Jr., Columbus  
 Andrea Lee Bavez, Columbus  
 Gregory James Foster, Dallas, Tex.  
 Valerie Anne Gadd, Columbus  
 Genine Ann Leonard, Mayfield  
 Michael Lawrence Poor, Greencastle, Ind.  
 Carol Sue Smith, Bellefontaine

## College of Biological Sciences

Dean: Patrick R. Dugan

#### Bachelor of Arts

Jeffrey Paul Semach, Poland

#### Bachelor of Science

Laura Kathleen Briggs, Worthington  
 Juliana H. J. Brooks, Columbus  
 Mark Steven D'Aversa, Brook Park  
 Peter Jerome Ferron, Fainesville  
 Susan Maurer Folger, Columbus  
 Sheldon Dean Henry, Sunbury  
 Lawrence Edward Holbrook, Winter Park, Fla.  
 Timothy Scott Holless, Wapakoneta  
 Lisa Diane McCollum, Mentor  
 Jacqueline Ann O'Keefe, Parma  
 Susan Paddock, Columbus  
 Ladan K. Pourmoghadam, Tehran, Iran  
 Nancy Katherine Robinson, Toledo  
 Michael Joseph Rubels, Clinton  
 Duane Allen Schrock, Millersburg  
 Christopher John Sutton, Toledo  
 Brett David Wallace, Columbus  
 Hope Elise Winograd, Ocean Township, N. J.  
 John A. Young, Newark  
 Tracy Andrea Zemel, University Heights

## College of Humanities

Dean: Diether H. Haenicke

#### Bachelor of Arts

Alvin Duane Ash, Muncie, Ind.  
 Elizabeth Bodimer, Franklin, Pa.  
 David Arthur Caborn, Columbus  
 W. Franklin Christman, Caledonia  
 Kenneth Alan Coates, Bedford  
 Timothy Martin Daher, Bedford Heights  
 Vera Erac, Cleveland  
 Ann Elizabeth Falk, Lima  
 Debra Rae Fields, Hinckley  
 Michael James Fiorini, Columbus  
 M. Adena Gifford, Toledo  
 Christopher Mark Grimsley, Columbus  
 Charles Philip Hehmeyer, Chesterland  
 Holly Ann Helmick, Canton  
 Mary Beth Hirsch, Cincinnati  
 Edward Herman Hosey, Sandstone, W. Va.  
 Mary Agnes Houck, Columbus  
 John Xavier Keenan, Columbus  
 Jessica Mae Kline, Mansfield  
 Jody Steven Kraus, Shaker Heights  
 James E. Laugtug, Columbus  
 William P. Love, Canton  
 Jennifer Ann Miller, Newark  
 Susan J. Miller, Columbus  
 Elaine Adele Morgan, Grove City  
 Hania Nashef, Amman, Jordan  
 Ralph Ray Orr, III, Columbus  
 Elizabeth Anne Rader, Newark  
 Thomas W. Rauch, Columbus  
 Ellen Scott Rue, Cincinnati  
 Debra L. Saye, Atwater  
 Jeffrey Paul Sondles, Bay Village  
 Lee Ann Tobin, Columbus  
 Joseph David Wine, Columbus

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

#### Bachelor of Arts

James Lyle Cowie, Sandusky  
 Harry Louis Favre, Columbus  
 Dennis Lloyd Flowers, Worthington  
 Jeffrey Alan Jones, Lima  
 Rebecca Therese Keener, Columbus

#### Bachelor of Science

John Brell Bracey, Toledo  
 Mark David Butler, Lexington  
 Richard H. Carver, Mansfield  
 Michael Edwin Costello, Columbus  
 Ronald D. Dawes, Berea  
 Jo Ann Denise Dragon, Ashtabula  
 Catherine M. Ferry, Fairlawn  
 Brent Eric Gross, South Euclid  
 Marta Angeline Haban, Reynoldsburg  
 Michael Patrick Hagerty, Columbus  
 Jeffrey Harroff, Columbus  
 Matthias Helfrich, Fairview Park  
 Thomas W. Hwang, Waverly  
 Wolfgang Kurapak, Westerville  
 Sharon Annette Little, Columbus  
 Richard Lee Lockwood, Lancaster  
 Jeffrey E. Lucius, Columbus  
 Louis Carl Martina, Cincinnati  
 Michael James Mayer, Lyndhurst  
 Mark E. Miller, Columbus  
 Gary Allen Mitiska, Amherst  
 Leilani Marie Owens, Columbus  
 Ramon Quintanilla, Toledo  
 Lorraine Mary Rellick, Pittsburgh, Pa.  
 Steven Alexander Shadwick, Newark  
 Donald Keith Sill, Chesterland  
 Daniel Ray Ward, Worthington  
 Steven George Wright, Cincinnati  
 Paul Lawrence Zorko, Columbus

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

#### Bachelor of Arts

Marcia E. Andrews, Dayton  
 Tom A. Atkins, Columbus  
 David A. Barth, Youngstown  
 Janet M. Bearer, Columbus  
 Julia Kristin Burkett, Granville  
 Sandy Lee Burkett, Massillon  
 William Raymond Burrell, Gahanna  
 \*\*Martha Elizabeth Caldwell, Urbana  
 Beth Ann Calvary, Columbus

<sup>1</sup> Offered by the College of the Arts  
<sup>2</sup> Offered jointly by the College of the Arts and the College of Education

Deborah Jean Carrington, Columbus  
 Susan Lynn Carroll, Martins Ferry  
 Danny Chatmon, Columbus  
 Kathleen Ann Colling, Wickliffe Heights  
 William Conso, IV, Bellevue  
 Cheryl Celeste Council, Queens, N. Y.  
 Katherine Louise Crawford,  
 Huntington, W. Va.  
 Julia Mitchell Davis, Columbus  
 Karen Lou Dennis, Columbus  
 Colleen Mary Donlin, Madison  
 Gail A. Dorfman, Columbus  
 Douglas Pace England, Columbus  
 Mary Elizabeth Fedurek, Whitehouse  
 Jeff Paul Fobes, Kingsville  
 Lynn Marie Foley, Milwaukee, Wis.  
 D'André Yvette Forté, Garfield Heights  
 Gregory Jon Fraunfelder, Mentor  
 Stephen Richard Galvin, University Heights  
 Russell Dean Gatewood, Orlando, Fla.  
 Tracy B. Gerhart, Mansfield  
 Jane Marie Gilbert, Huron  
 Stephen Paul Gill, Columbus  
 Yvonda Inett Glenn, Cleveland  
 Mark Bryan Goldfarb, Dayton  
 Kelly Griffith, Sylvania  
 Gwendolyn Lee Guy, Mechanicsburg  
 Steven Glen Hensler, Athens  
 Lon Cary Herman, Cleveland  
 Jeffrey William Jones, Robinson, Ill.  
 Sheldon Alan Kahan, University Heights  
 Kerlake Karklas, Columbus  
 Lisa Elaine Kirk, Williamsburg  
 Mark Charles Klise, Galloway  
 Kay Marie Krueger, North Olmsted  
 Cheryl Susan Lewis, Columbus  
 William Pace Lewis, III, Whitehall  
 Brenda L. Lutz, Tiffin  
 Janice Marie Mathews, Hillsboro  
 Jon Michael McIntosh, Wauseon  
 Lawrence Joe McWherter, Columbus  
 Janet Marie Miller, Barberton  
 Melanie Ellen Moore, Kent  
 Cathie Teresa Moss, Cleveland  
 Marilyn R. Orr, Circleville  
 Robyn Lee Reed, Pickerington  
 Todd Ervin Reeves, Columbus  
 Brenda Jean Reinhart, New Holland  
 Aurora Roman Saddler,  
 Cebu City, Philippines  
 Cathy Sue Schlossberg, Akron  
 Bradley Keith Sinnott, Reynoldsburg  
 Donna Jean Smith, Sainesville  
 Mary E. Snider, New Albany  
 Mary Louise Spahia, Seven Hills  
 Barbara Ann Strach, Akron  
 Rhonda Thomas, Teaneck, N. J.  
 William Joseph Thomas, Columbus  
 Joan Irene Vance, Dayton  
 Judith Elaine Walker, Akron  
 Andrew E. Weiland, Lexington  
 William Scott Weiss, Steubenville  
 Janet Dea White, Gahanna  
 Gwendolyn Williams, Columbus  
 Tamara Renee Williams, Columbus  
 Teresa Anne Wirth, Columbus  
 Paula Jane Woodson, Columbus  
 Loryn Beth Youkilis, Cincinnati  
 \*\* Degree is posthumously awarded

### Bachelor of Science

Aldena Renee Barrett, Philadelphia, Pa.  
 Barbara Sue Boehm, Maple Heights  
 Scott Charles Brenneman, Mount Vernon  
 David Daryl Carver, Columbus  
 Thomas Griffin Cross, North Canton  
 John Thomas Danes, Jr., Niles

Valerie Adkins Gross, Upper Arlington  
 Mark Steven Hipple, New Bremen  
 Rodney Lee Irwin, Jr., Toledo  
 Donald Eugene Jenkins, Lima  
 Kevin George Kowis, Pickerington  
 Danita Jo Kurtz, Middlefield  
 Raymond Jay Melick, Columbus  
 Monica Elizabeth Ransome, Cincinnati  
 Kathie Gail Shockey, Columbus  
 Jacqueline Kay Swager, Massillon  
 Cheryl L. Torojan, Vandalia  
 Hermona Cozella Trudell, Columbus  
 Geoffrey Howard Turoff, South Euclid  
 Daniel Ray Weininger, Sycamore  
 Tammy Kay Gale Woo, Columbus

### School of Journalism

#### Bachelor of Arts in Journalism

Basil A. Ayish, Elyria  
 Jennifer M. Basesen, Columbus  
 Mary Jeannette Brown, Dublin  
 Jesse Tritschler Carter, Loudonville  
 Maureen Anne Daly, Levittown, N. Y.  
 Kathryn M. Fallert, Jacksonville, Fla.  
 Earl Jay Glausure, Toronto  
 Lisa Jo Goetz, Fairlawn  
 Joseph Charles Harkins, Cincinnati  
 Ellen Barbara Heile, Apple Valley, Minn.  
 Kima Renee Hicks, Dayton  
 Mike Hostetler, Mansfield  
 James Patrick Kane, Fulton, N. Y.  
 Rebecca Anne Keller, North Olmsted  
 Deborah K. Kelly, Brilliant  
 Gregory James Kelly, Toledo  
 Julie A. Kemble, Cincinnati  
 Deborah Sue Knuth, Saginaw, Mich.  
 Brenda Sue Lauer, Cleveland  
 Shelly Ann Miller, Dayton  
 Lee Berton Morrison, Smyrna  
 Richard Paul Payne, Columbus  
 Juliee Marlene Peyton, Fatsakala  
 Richard A. Rico, Richmond Heights  
 Margaret Trace Rodes, Cincinnati  
 Jill Lizbeth Spangler, Poland  
 Marcy Cheryl Waxman, Toledo

Lisa Marie Bernet, Branford, Conn.  
 Beverly Diane Blazek, Willoughby  
 Robert William Bowman, Columbus  
 Patricia R. Brennan, Columbus  
 Suzanne Marie Broglio, Lorain  
 Theresa Ann Brulport, Loveland  
 Oscar Ariel Budde, Salem  
 Matthew Alan Burkett, Columbus  
 Mark A. Bush, Hilliard  
 John David Carter, St. Paris  
 Patricia Elaine Caruso, Circleville  
 Karen Louise Chericio, Clarion, Pa.  
 Dena K. Childers, Morrow  
 Gregory Scott Clark, Mt. Sterling  
 James Russell Clark, Columbus  
 Allen Lee Clem, Bucyrus  
 Kelly William Cleveland, Bryan  
 Shawn David Cloran, East Liverpool  
 Deborah Howells Colasurud, Dublin  
 Mark Lewis Collins, Arlington, Mass.  
 Lee Jonathan Conwell, Polk  
 Diane Lynn Cooper, Marion  
 Daniel Richard Corbett, Cleveland  
 Kevin John Coughlin, Columbus  
 Aimee Diane Cowgill, Van Wert  
 Raymond Ralph Cross, Findlay  
 Germaine Anne Cuddy, Columbus  
 Virginia Susan Klein Daly, Columbus  
 Thomas Edward Davis, St. Henry  
 Todd Neumann Davis, Centerville  
 Michael Joseph DeShon, Akron  
 Harold Daniel Diener, Mansfield  
 Ray Scott Dietrich, Centerville  
 Allyson Ann DiGeorge, Mingo Junction  
 Diane Louise Dinco, Latrobe, Pa.  
 Michael Gerard DiSalvo, Dayton  
 Eric Edward Docter, Lima  
 Debra Susan Dodda, Burnsworth  
 Alan Edward Dolezal, Dillonvale  
 Bruce Lynn Dollings, Newark  
 Cathy Ann Donnelly, Elm Grove, Wis.  
 Diane Lee Dorchak, Solon  
 William Stuart Dowdy, Columbus  
 Daniel Lawson Duhl, Marion  
 David Alan Dulinski, Toledo  
 Michael W. Durbak, Newark  
 Dennis Raymond Durco, Rossford  
 Elaine Marie Ebner, Cleveland  
 Nancy M. Efland, Parma  
 Drew Matthew Ellis, Zaneville  
 Janet Epp, Springfield  
 Timothy Ray Evancho, Cambridge  
 David Michael Eystone, Upper Sandusky  
 Gordon Probert Eyre, Columbus  
 John Thomas Farrell, Elyria  
 Patrick H. Ferry, Mineral City  
 Andrew J. Finch, Galion  
 Stephen Joseph Fisher, Darien, Conn.  
 Luanne Denise Fisi, Akron  
 Kevin James Flaherty, Columbus  
 Frederick E. Fochtman, Columbus  
 Howard Sherman Forman,  
 Cleveland Heights  
 Michele Ann Fracasso, Columbus  
 Bessie Lynn France, Chagrin Falls  
 Karen J. Funk, Columbus  
 LaNell Renee Galloway, Columbus  
 Kevin Andrian Gardner, Milford  
 Kathleen Lee Gaslin, Columbus  
 Timothy Matthew Gates, Centerville  
 Douglas Gerard Geraci, Reading  
 Christopher Dennis Geyer, Lisie, Ill.  
 Jean Marie Glaser, Columbus  
 Gordon Muri Goff, Fairborn  
 David Bruce Goldstein, Cincinnati  
 Virginia Ann Gontero, Kent  
 Jeffrey Eric Gordon, Cleveland Heights  
 David Michael Gouttiere, Maumee  
 Jack Rexford Gray, Jr., Elyria

## College of Administrative Science

Dean: H. Justin Davidson

#### Bachelor of Science in Business Administration

Douglas J. Abbott, Painesville  
 Scott Allen Allman, Coshocton  
 Jo A. Altman, Mansfield  
 Ronald Eugene Andrews, Columbus  
 Cynthia Lin Arnett, Eaton  
 John William Ault, Caledonia  
 Barbara Ann Babcock, Ashland  
 Stacey Beth Babson, Howard Beach, N. Y.  
 Bradley Joseph Barr, Galloway  
 Annette Marie Bavetz, Columbus  
 William Ross Beatty, Pottstown, Pa.  
 Jeffrey Scott Beck, Maineville  
 James Dean Beery, Logan  
 Rita Louise Bell, Columbus  
 Sherry Ann Beltz, Akron  
 Anne Hilda Bergman, Boca Raton, Fla.

Michael William Greenzalis, Columbus  
 Yvonne Mary Guthell, Columbus  
 Steven Hayden Hafner, Sandusky  
 Lisa Michelle Harp, Columbus  
 John Maxwell Harris, Akron  
 Sally Jo Hartwell, Hubbard  
 Sara Byrd Havens, Columbus  
 Robert I. Hendershot, Fairview Park  
 Sheila Marie Hensel, Powell  
 Steven Mark Herb, Columbus  
 Christina Ruth Hersherberger, Westerville  
 Randall Lee Hicks, Canal Winchester  
 David Joseph Hogan, Reynoldsburg  
 Llewellyn Charles Holder, Fairview Park  
 Thomas Michael Homish, Toledo  
 Jeffrey Raymond Houk, Chillicothe  
 Bradley Robert Hulls, Columbus  
 John Robert Huneck, Cincinnati  
 Bruce Cameron Hunt, Lebanon  
 David William Hunt,  
 New Castle-on-Tyne, England  
 Kenneth L. Hutchins, Marion  
 Daniel A. Jablons, Woodmere, N. Y.  
 Mark Steven Jaynes, Worthington  
 Laurie Ann Jazbec, Lyndhurst  
 Sue Ellen Jefferis, Cambridge  
 Terri Marie Johnson, Zanesville  
 Jeffrey Allen Johnston, Troy  
 Karl Maurice Jones, Dayton  
 Gerald Joseph Jusek, Eastlake  
 Vincent Lawrence Jusko, Reynoldsburg  
 Christopher Brucken Keck, Newark  
 Robin Lynne Kindy, Kettering  
 Michelle Marie Kinney, Parma  
 Edward Kleinguetl, Mansfield  
 Susan Lynn Knoble, Cincinnati  
 Donna Jean Knopf, Westerville  
 John Stewart Kocheiser, Dublin  
 Janet Marie Koncar, Hilliard  
 Teresa Rose Konesky, Olmsted Falls  
 Douglas Michael Korhan,  
 State College, Pa.  
 Michael Andrew Kosco, Lorain  
 Jane Marie Kuchnicki, Walton Hills  
 Dana Thomas Kuhn, Lancaster  
 Keith Brian Kuhn, Willard  
 Mary Frances Kurtz, Columbus  
 Mark Hummer Lauferseiler, Dayton  
 Dennis Ray Lautzenheiser, Orrville  
 Jody Mae Leggett, Worthington  
 John William Lewis, Reynoldsburg  
 Daniel Anthony Ludwig, Cincinnati  
 Vincent C. Lupo, Columbus  
 Philip Kurt Lutz, Hudson  
 Henry D. Mariana, Columbus  
 Wallace William Marks, Parma  
 Suzanne E. Marque, Lancaster  
 Sean Edward Martin, Ashland  
 Kevin David Massie, Xenia  
 Janet Elaine McConnell, Columbus  
 Winona Gail McDavid, Dayton  
 Richard J. McLaughlin, Columbus  
 MaryAnn McQuillin, Delta  
 Lewis Samuel Medich, Wintersville  
 Anthony Lawrence Mercure, Columbus  
 Douglas G. Merriman, Cincinnati  
 Marina Milenkovski, Columbus  
 George Bennett Mitchell, Ashland  
 Thomas Carmen Montello, Pepper Pike  
 Laurel Ann Moor, Columbus  
 Frank William Morgan, Columbus  
 Steven Kenneth Morse, Columbus  
 Ronetta C. Mount, Mt. Vernon  
 John Michael Murray, Kenton  
 Thomas Anthony Muzilla, Vermilion  
 Timothy Lee Newsome, Youngstown  
 Terry Lee Oakley, Lakeview  
 Abdisalam Haji Hussein Omar,  
 Hargeisa, Somalia

Gerard James O'Neill, Toronto, Ontario  
 Kurt Osterheld, Sanford, N. C.  
 Mary Katherine Oswald, Parma  
 Deborah K. Owens, Webster, N. Y.  
 William Arthur Pardee, Oberlin  
 Patrick Michael Perruzzi, Youngstown  
 Steve Michael Perry, Columbus  
 William Earl Perry, Columbus  
 Dana Ann Pershing, Dover  
 William Michael Peugh, Reynoldsburg  
 Deborah Lynne Pockoc, Chillicothe  
 Laurel Harriet Pond, Elyria  
 B. Louis Poppovich, Massillon  
 Robert Allen Powell, Marietta  
 Barbara Ann Pramlik, Columbus  
 Diana Kay Rainey, Lorain  
 Terry Mellott Ramey, Butler  
 Terri Alan Ramey, Perrysville  
 Jane Reavill Ransom, Galena  
 Gregory Guy Rauch, Newark  
 Elaine Marie Rausch, Columbus  
 Julie Lynn Reese, Columbus  
 Christina Maria Rich, Akron  
 Nanette Kay Richardson, Worthington  
 John Clyde Rickel, Columbus  
 Keith Edward Riley, Columbus  
 Thomas Robert Ritter, Cincinnati  
 William Andrew Roberts, Columbus  
 Joe A. Rodono, Wickliffe  
 Alexander James Rolletta, Newark  
 John Joseph Rolph, Ann Arbor, Mich.  
 Raymond Thomas Rosso, Lorain  
 Penny Sue Ross-Salyer, Columbus  
 Eileen Marie Ryan, Columbus  
 Michael M. Sanders, Mayfield Heights  
 Gregory S. Saunders, Groveport  
 Steven Douglas Schaefer, Lexington  
 John Michael Schaefer, Bexley  
 Patricia Marie Schiely, Worthington  
 Mary Lee Scott, Worthington  
 Terry Neil Seaman, Cleveland  
 Pamela Lou Segreto, Warren  
 John Allen Seifrick, Houston, Tex.  
 Richard Dennis Shafer, Westerville  
 Ahmed J. Siddiqi, Karachi, Pakistan  
 Robert Stanley Sipp, Columbus  
 Gregory Paul Smigelsky, Maple Heights  
 Donna Jean Smith, Ashley  
 Robert Edward Smith, Coshocton  
 Susan Louise Smith, Worthington  
 Tamera Berry Smith, Columbus  
 Michael John Smithyman, Columbus  
 Carl Eugene Speicher, Worthington  
 Kathryn J. Staples, Dunwoody, Ga.  
 Harry Brent Starr, Blacklick  
 Kathy Diane Stone, Westerville  
 Andrew Nathen Stotzer, Archbold  
 James C. Stover, Cleveland Heights  
 Tina Marie Talarico, Yorkville  
 Timothy Raymond Tanner, Newark  
 James Scott Templeton, Mansfield  
 Cynthia Lou Thompson-Stump,  
 Worthington  
 Todd Aaron Thompson, Sidney  
 Clint William Thrush, Columbus  
 Martin Patrick Tierney, Cincinnati  
 Van Lay Tieu, Columbus  
 Paul Edmond Titus, Westerville  
 Terri Lynn Toennisson, Worthington  
 Dorinda Denise Toles, Warren  
 John L. Tripp, Piqua  
 Kelly Ann Truex, Mt. Vernon  
 Michael Douglas Turney, Mt. Vernon  
 Michele Ruth Ungar, Columbus  
 Frank Vincent Vailone, Columbus  
 Salvatore Vanadia, Parma Heights  
 Barry Keith Wagner, Louisville, Ky.  
 Mark W. Wakefield, Columbus  
 Bonalynn Cherie Wallach, Columbus

Mark Bruce Washburn, Loveland  
 James David Weaver, Westerville  
 Jeannine Sue Weber, Kenton  
 Jeri Lin Weikert, Fostoria  
 Gary Michael Weimar, Columbus  
 Glenn David Weimar, Columbus  
 Douglas Lee Weintraub, Akron  
 Cornelia A. West, Columbus  
 Donna Marie Wiley, Conneaut  
 Stephen Lowell Willey, Columbus  
 Cheryl Lynn Williams, Brook Park  
 Glenda Ann Williams, Grove City  
 Henry Hamilton Wilson, Westford, Mass.  
 Jon Mark Wittsoesch, Kettering  
 Terrence Craig Woldorf, Delaware  
 Jesse Thomas Wolford, Newark  
 Robert William York, Jr., Westlake  
 Marian Catherine Young, Cleveland Heights  
 Timothy L. Young, Xenia  
 Charlene Ann Zagarskiy,  
 Indianapolis, Ind.  
 Bonnie Eise Zimmer, Canton  
 James B. Zimmerman, Dayton

### Bachelor of Science in Labor and Human Resources

Carl Warnock Burnett, Jr., Portersville  
 Daniel Thomas Madizia, Ashtabula  
 William Carey Meadema, Rocky River  
 John Joseph O'Leary, Middleburg Heights  
 Diane M. Priddy, Cleveland Heights  
 Michael Douglas Shaw, Westerville  
 Kathryn Lee Tarantino, Cleveland  
 Anne Marie Zvirblis, Elyria

## College of Agriculture and Home Economics

Acting Dean: George R. Gist

### Bachelor of Science in Agriculture

Diane Kathryn Adams, Huntsburg  
 Nanette Marie Berg, Lyndhurst  
 Linda Susan Bien, Johnstown  
 Raymond Samuel Byers, University Heights  
 Gregory Vernon Cook, Vermilion  
 David William Covey, Columbus  
 David Wayne Dolvin, North Canton  
 Blaine Edmond Douglas, Leavittsburg  
 Hazel May Eberhard, Bellevue  
 James Edward Emig, Cincinnati  
 Patrick William Ernst, Cincinnati  
 Robin Leigh Fyock, Reynoldsburg  
 Ludmila Marie Gracanian, Columbus  
 James Louis Harned, Pleasant Valley, N. Y.  
 John William Harvey, Springfield  
 Julie Ann Hasenfratz, Toledo  
 Christopher Lee Hisey, Greenfield  
 Jeffrey Juilliard Howard, Bucyrus  
 Bobbi Jo Jarvis, Cincinnati  
 Jeffrey Allen Johnson, Warren  
 Price Clarence Keller, III, Logan  
 John Philip Lenz, Cheshire, Conn.  
 Edward A. Miller, St. Clairsville  
 Philip Andrew Neff, Bucyrus  
 Richard A. Norris, Columbus  
 Jennifer Sue Passaniti, Kettering  
 Edward Clay Porterfield, Phoenix, Md.  
 Deborah Jean Quinn, Middlefield

Susan Kathleen Reese, Strongsville  
Melinda Sue Remy, Waverly  
Richard Todd Ricketts, North Pickerington  
Sharon Marie Rubrecht, Cincinnati  
Michael David Ryan, Columbus  
Charles Dana Schneider, Wapakoneta  
Kathleen Kim Smith, Cincinnati  
Ann Christine Spearow, Fairborn  
Brett Marshall Spencer, Manchester  
Paul Matthew Stari, Parma  
Timothy Joseph Stuchal, Medina  
Nadia Szyteck, Seven Hills  
Sheree Simon Taylor, Akron  
Mary Beth Urig, Avon  
William Dale Waidelich, Circleville  
Sue Ann Westfall, Elyria  
Colleen Ellen Wherthey, Louisville, Ky.  
Beth Daree Whittington, Columbus  
David Allen Witner, Norton  
Thomas Christian Zwirner, Dublin

### **Bachelor of Science in Food Science**

Holley Frances Lawrence, Mt. Gilead  
Sally Joanne Rush, Grafton

### **Bachelor of Science in Food Technology**

Douglas Alan Harp, Columbus

### **Bachelor of Science in Nutrition**

William Carl Minton, Jr., Tipp City  
Jason Eliot Tasch, Cleveland  
Nicholas C. Varveris, Austintown

### **School of Home Economics**

#### **Bachelor of Science in Home Economics**

Teresa Marie Bennett, Bainbridge  
Debbie Biederman, Columbus  
Sheri Kay Borovitz University Heights  
Beth Anne Collins, Dublin  
Susan Beth Deremo, Cincinnati  
Mary Jane Dittoe, Somerset  
Susan F. Dixon, Grove City  
Tracey Ellen Fathi, Columbus  
Linda Sue Hanson, Hilliard  
Barbara Joyce Heiko, Jericho, N. Y.  
Madonna Deann Hendershot, Fleming  
Marilyn Susan Hoffman, Circleville  
Kimberly Kristine King, Amherst  
Jill Ruth Kruse, Westlake  
Mary Henson Leedom, Columbus  
Anna Maric, Cleveland  
Karin Lynne Neff, Springfield  
Lesa Marie Newman, Columbus  
Ellen Jane Pieper, Cleveland  
Jill Michelle Primeau, Euclid  
Sarah Elizabeth Reid, Columbus  
Grace Young Ro, Columbus  
Annette Renee Russell, Bay Village  
Julia Mary Schmitz, Lakewood  
Linda Marjorie Sherman, Toledo  
Barbara Lee Sibert, Westerville  
Theresa Jo Tarpoff, Cincinnati

Jill Ann Thiessen, Wooster  
Tamara Sue Thomas, Canfield  
Leslie Ann Turner, Lancaster  
Sandra Kay Vogt, Orient  
Cecelia M. West, Columbus  
Eva Marie Williamson, Columbus  
Mar Lita Wilson, Columbus  
Cynthia Jennifer Zima, Parma

### **Bachelor of Science in Nutrition**

Robert Joseph Vaschak, Campbell

### **Bachelor of Science in Restaurant Management**

Paula J. Camardo, Cincinnati  
Dianna Lee Fowls, Newark  
Aileen M. Hyland, Columbus  
Martin William Salerno, Lake Milton

### **School of Natural Resources**

#### **Bachelor of Science in Natural Resources**

Charles Warren Armbrust, Reynoldsburg  
Paul Charles Baylog, Cleveland Heights  
John Andrew Bricker, Columbus  
Erik Jorg Buggé, Troy  
Robert Michael Corbett, Solon  
Mark Jay Davies, Pataskala  
Donna Ann Dewhurst, Whitehall  
Teresa Marie Heilman, Kenton  
Lawrence George Herrick, Mayfield Heights  
Gary Wayne Kirkpatrick, North Canton  
Susan Marie Mann, Lima  
Gregg Spencer Netzley, Dayton  
Teresa Ann Nyhan, Rocky River  
Robert David O'Donnell, Grove City  
Mary Jo O'Neil, Bay Village  
Bruce Arthur Rich, Warren  
Rex Ward Rolf, Gibsonburg  
Martha Ann Schmidt, Columbus  
Dean Matthew Schubert, Columbus

## **Agricultural Technical Institute-Wooster**

### **Associate in Applied Science**

Candace Winston Harker, Louisville, Ky.  
Thomas Edward Kohls, Avon  
Douglas Edward Macklin, Petersburg  
Amelia Terese O'Shea, Staten Island, N. Y.  
William Francis Paulus, Canton  
Megan Gay Preston, Radnor  
Angelo Frank Randaci, Wooster  
Lois Ann Rieg, Jeromesville  
Steve Eugene Smith, Bucyrus  
Kelli Ann Sparr, Ravenna  
Sharon Diane Turner, Litchfield  
Diane Kay Yanice, Mineral City

## **College of Education**

Dean: Robert A. Burnham

### **Bachelor of Science in Education**

Gandu Abdu, Bauchi, Nigeria  
Darlene Sue Adkins, Columbus  
Nancy Joyce Ambrecht, Gallipolis  
Debra Sue Applegate, Portsmouth  
Mohammed Nurudeen Baba, Bauchi, Nigeria  
Jalo A. Abubakar Bajoga, Bauchi, Nigeria  
Lynn Marie Basel, Maple Heights  
Sandra Lucille Beck, Columbus  
Peggy Jo Bleigh, Athens  
Beth Reljene Bormann, Newark  
Breck Baldwin Brown, Worthington  
Ellen Louise Brown, Gahanna  
Judith Louise Brown, Sebring  
Thomas Lee Brown, Columbus  
Scott Bradley Burton, Columbus  
Inge-Lise Christensen, Irwin, Pa.  
Edward Charles Clark, Delphos  
Tamara Aronson Clark, Walnut Creek, Calif.  
Margaret Sue Coker, Mansfield  
Sandra Lee Cress, Galion  
Chris Allen Cunin, Kirtland  
Mbula Dinna Dadi, Columbus  
Mark Douglas Davis, Youngstown  
Timothy Richard Deetz, Dover  
Jeanine Marie DeVol, Newark  
Karen Lynn Distelhorst, Columbus  
Sharon Lee Dunlap, Newark  
Shmuel Epstein, Columbus  
Mary Roberta Fawley, Westerville  
Miriam Kay Foster, Cincinnati  
Kenneth Charles Friedlander, Columbus  
Renee Janet Gaines, Toledo  
Nancy Ellen Garner, Dublin  
David Randal Gillum, Shiloh  
Sandra H. Harrison, Columbus  
Marsha Oliver Hayden, Newark  
Jane Marie Hemker, Delphos  
Keiko Hirokawa, Hiroshima, Japan  
Michele Marise Hohl, Columbus  
Susan Tackett Huffman, Columbus  
Ahmed Galadima Isawa, Bauchi, Nigeria  
William Clarence James, Columbus  
Deborah Anne Karn, Richmond  
Barbara Jean Kochli, Kettering  
Patricia Lynn Lamneck, Columbus  
Crystal Dee Lamprecht, Columbus  
Jennifer Lane, Lakeside  
Gail Aleen Law, Portsmouth  
Heidi Ann Leinard, Mansfield  
Fred Eugene Linard, Timberlake  
Deborah Elaine Manring, Westerville  
Larry Maynard, Marion  
Robert M. McKinney, Boardman  
Raymond Jay Melick, Columbus  
Lana Lee Milli, Mansfield  
Garba Ubali Mohammed, Bauchi, Nigeria  
Hassan Adamu Mohammed, Bauchi, Nigeria  
Matthew C. Moor, Westerville  
James Robert Morgan, Whitehall  
Mary Joy Knisley Morrison, Spencerville  
William George Murray, New London  
Regan Suzanne Oaks, Westerville  
Daniel Joel O'Brien, Columbus  
Joan Leslie Webb Orsborn, Fredericktown  
Cassie Emelia Osborne, Worthington



Abhipsa S. Parikh, Columbus  
 Gwendolyn K. Peper, Ada  
 Amy Anne Pike, Northfield, Mass.  
 Jane Marie Pope, Port Clinton  
 Jody Anderson Pugh, Granville  
 Denise Michelle Ratusz, North Ridgeville  
 Kallie Helen Reppas, Columbus  
 Jule Sweeny Reuss, Lima  
 Linda Margaret Rhoads, Circleville  
 Carolyn Elizabeth Sabol, Columbus  
 David Henry Shuter, Minford  
 Karole Raye Skidmore-Roth, Mt. Gilead  
 Karen Elaine Sliemers, Columbus  
 Katherine Louise Smithyman, Columbus  
 Louann E. Steele, Wadsworth  
 Mark John Stefanik, Parma Heights  
 Pamela Lynn Stewart, Warren  
 Rebecca Reed Suran, Columbus  
 Catherine Ann Taylor, Columbus  
 Robin Lynn Taylor, Centerville  
 David Lawrence Thomson, Fredericktown  
 Brenda Sue Towns, Swanton  
 Jill Lucinda Turney, Nevada  
 Lisa Marie Vanderhorst, St. Marys  
 Rebecca Ann Wagner, Hillsboro  
 Victoria Lynn Grzybowski Wagner,  
 Columbus  
 Joyanne Irene Washington, Yellow Springs  
 Robert Timothy Williams, Cleves  
 Habu Hina Zarma, Bauchi, Nigeria  
 Martha Casey Zawacki, Laureville

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Stacia Rae Fannin, Lima  
 Keith Allen Newell, Upper Sandusky  
 Louis Szucs, San Rafael, Calif.

### Bachelor of Science in Agricultural Engineering

Robert Lasley, Dayton

### Bachelor of Science in Ceramic Engineering

David Eugene Brown, Columbus

### Bachelor of Science in Chemical Engineering

Steven Dwayne Alley, Columbus  
 Roy Wesley Anderson, Milan  
 Kathleen Ann Applegate,  
 Grosse Pointe, Mich.  
 Karen Lucile Christensen, Bellbrook  
 Debra Wren Denio, Enon  
 Kenneth N. Dike, Hamilton  
 Mark James Dusenberry, Dover  
 Jeffrey Alan Hegedus, Columbus  
 Elizabeth Ann Knecht, Washington C. H.  
 Anthony Mazzola, Parma  
 James Joseph McNeely, Mayfield Heights

Brian James Michael, Lebanon  
 Theodore Ezra Riffe, Toronto  
 Richard Paul Schmidt, Jr., Bellevue  
 Ronald James Stapleton, Westerville  
 Peter David Wilkens, Toledo  
 Steve Alan Witters, Greenville

### Bachelor of Science in Civil Engineering

Kamal Khalid Abu-Ghazaleh,  
 Nabius, Jordan  
 Fady F. Fawaz, Beirut, Lebanon  
 Larry Ivory, Cleveland  
 Kamil Elias Kaloush, Beirut, Lebanon  
 Ali Hassan Karaki, Zahle, Lebanon  
 Raed Kuzbari, Damascus, Syria  
 David Hassan Nourachi, Baghdad, Iraq  
 Olomero Omkanta, Abavo, Agbor, Nigeria  
 Ali Youssef Tobah, Cairo, Egypt

### Bachelor of Science in Computer and Information Science

Paul Alan Irwin, Marysville  
 James David Matheke, Columbus  
 Gustavo Adolfo Villar, Lima, Peru  
 Mark Chalmers Wilson, Columbus

### Electrical Engineer

Jatin Chandubhai Rawal, Columbus

### Bachelor of Science in Electrical Engineering

Mark Allen Alt, Miller City  
 John Henry Bucher, Bethel Park, Pa.  
 David Allan Cardellini, Orange Village  
 John David Chovan, North Olmsted  
 Daniel Joseph Cox, Worthington  
 Michael James Dunn, Trumbull, Conn.  
 Abdalla Ibrahim Elusta, Kikla, Libya  
 Lisa Fakheri, Shiraz, Iran  
 John E. Flynn, Westerville  
 Glen Paul Gerhard, Columbus  
 James Michael Gregg, Columbus  
 Meenakshi Gupta, India  
 Mazhar Habibi, Tehran, Iran  
 Robert Alan Hale, Lambertville, Mich.  
 Phillip Chien-Cheng Kao, Lakewood  
 Iewan Li, Centerville  
 John Liddle, Bridgeport  
 Michael Joseph Lynch, Columbus  
 Omar Ahmed Madi, Tripoli, Libya  
 Terry Levon Malone, Cleveland  
 Matthew Alfred Peshel, Winterville  
 Michael Edward Pietrzak, Philadelphia, Pa.  
 Gregory James Power, Columbus  
 Richard Alan Rose, Columbus  
 David Steven Rosinger, Columbus  
 Mohammad Reza Saifzadeh, Tehran, Iran  
 Obad Scott Sands, Columbus  
 Mark Paul Suttner, Columbus  
 Craig Steven Ward, Columbus  
 Pamela Christine Wolfe, Columbus  
 Steven John Yelton, Mt. Healthy  
 Christopher David Young, Painesville

### Bachelor of Science in Engineering Physics

Keith Richard Abererg, Alliance

### Industrial Engineer

Yean-Jinn Scott Liou, Columbus

### Bachelor of Science in Industrial and Systems Engineering

Norman Dale Burrows, Jr., Portsmouth  
 J. Andrew Drake, Upper Arlington  
 Mark Fedorko, Colorado Springs, Colo.  
 Thomas C. Hughes, Beaver Creek  
 Joseph Thomas Klett, Cincinnati  
 William Joseph Mattingly, Tallmadge  
 Martha Kay Raymond, Bay Village  
 Thomas Hugh Rockwell, Jr., Columbus

### Bachelor of Science in Mechanical Engineering

Harold Eugene Addy, Jr., Tappan Lake  
 Omar Ahmed Ayash, Sanaa, Yemen  
 Benjamin Land Elliott, Chillicothe  
 Donald Mark Gage, Otego, N. Y.  
 Edward Clark Hillner, Jr., Coshocton  
 Thomas Joseph Karabinos, Upper Arlington  
 Gerald Michael Lepley, Bellevue  
 Jeffrey Scott Loeb, Cincinnati  
 Jonathan Todd Loeb, Cincinnati  
 Joya Matheus, Ashland  
 Mark James Nelson, Warren  
 Paul David Norris, Cincinnati  
 Wayne Ross Oaks, Westerville  
 Brian Harold Ogle, Columbus  
 Sunil Kanti Patel, St. Clairsville  
 George Michael Phillips, Bedford  
 Kenneth James Rowan, Parma  
 Chandradeo Sawh, Berbice, Guyana  
 Daniel Joseph Smith, Tiffin  
 William Edward Turner, Gahanna  
 Mark Thomas Winters, Terre Haute, Ind.  
 Lindsay Mason Wood, III, Uniontown  
 David Allen Zimmerman, Sacramento, Calif.

### Bachelor of Science in Metallurgical Engineering

Jeffrey O. Berte, Ashtabula  
 Anthony Eugene Dillard, Columbus  
 Russell Bart Gallagher, Mentor  
 James P. Simpkin, Harriman, Tenn.  
 James Randall Valentine, North Canton

### Bachelor of Science in Mining Engineering

Charles Russell Ortmann, Chillicothe  
 James Dale Wampler, Kettering

### Bachelor of Science in Welding Engineering

Linda Michelle Kiener, Dublin  
 Brian Allan Rhoads, Troy

## School of Architecture

### Bachelor of Science in Architecture

Navy Francis Banvard, III, Highland, Ind.  
Ghassan Chibli, Damascus, Syria  
Mark Wayne Daniels, Columbus  
Marc Louis DiSilvestro, Darien, Conn.  
Robert Keith Gibson, Fairborn  
Randall Lee Holberg, Marlton, N. J.  
Terry Wayne Jenkins, Fairborn  
Charles Brian Nuzum, Columbus  
Peter Eric Stegal, Wilmette, Ill.  
James Scott Weaver, Columbus

## College of Medicine

Dean: Manuel Tzougournis, M.D.

### Doctor of Medicine

Frank Yong Choo An, Akron  
B.S. (The College of Wooster)

Girraj Kishore Bansal, Agra, India  
B.Tech. (Indian Institute of Technology);  
M.S., Ph.D. (Case Western Reserve  
University)

Thomas Hugh Baughman, Columbus  
B.S., J.D. (Case Western Reserve  
University)

Juliana H. J. Brooks, Dayton  
B.S.

Jane Marie Burk, Cleveland  
B.S.

David A. Cooley, Lima  
B.S.

Emily L. Daykin, Shaker Heights  
B.S. (Syracuse University)

Douglas Dale Fosseiman, Columbus  
B.S.

Gregory Mark Gottschlich, Dayton  
B.S.

Curtis Lee Janeczek, Madison

Eric Lee Kahn, Canton  
B.S. (Bowling Green State University)

Christy Ann Lorton, Fairborn  
B.S. (Wright State University)

Thomas Anthony Roesch, Columbus  
B.S.

Steven Richard Schneir, Akron  
B.A. (Miami University)

Gregory Walter Siewny, Middletown  
B.S.

Christopher John Sutton, Toledo  
B.S.

Mark Hunter Thomas, Dayton  
B.S. (Howard University)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Susan Ella Carnes, Leontonia  
Brenda Cooper Highley, Portsmouth  
Leonard John Hohlbein, Delphos  
Piper Lynn Jackson, Warrensville Heights  
Luwellyn Pyles, Enon  
Susan VanOss Richison, Beaver Creek  
Mary Kathryn Rowley, Auburn, N. Y.  
Susan Hope Elliott Schmidt, Columbus  
Erica Robin Schwan, Chesterfield, Mo.  
Michael Christopher Studer, Hubbard  
Lynn Alexander Wynne, Columbus

### Certificate of Post Baccalaureate Medical Illustrator

Rebekah Ann Dodson, Massillon  
B.F.A.

### Certificate of Nurse Anesthetist

Linda Flood Forsythe, Columbus  
B.S. Nursing (Capital University)

Lorraine M. Dankowski Jordan, Galion  
B.S. Nursing

Julie May Mann, Lawrenceburg, Ind.  
B.S. Nursing (Ball State University)

Jerome Doyle Querns, Zanesville  
B.S. (University of California);  
A.D. Nursing (Ohio University)

Ronald Thomas Sanzone, Cincinnati  
B.S. Nursing (University of Cincinnati)

Richard Frazier Totten, Lancaster  
B.S.; A.D. Nursing (Central Ohio  
Technical College)

Marcia A. Yanik-Karnes, Columbus  
B.S. Nursing (Bowling Green State  
University)

## School of Nursing

### Bachelor of Science in Nursing

Julie Weber Beall, Springboro  
Denise Ruth Beatty, West Chester  
Laurie Pauline Starr Beeson,  
Annandale, Va.

Cynthia Emily Blumenstein, Strongsville

Barbara Irene Cardwell, Uniontown

Susan Viola Carle, Kingsville

Colby Lynn Cook, Bryan

Tammy Jo Cooksey, Hubbard

Mary Patrice Cuppett, Barberton

Barbara Jane Dill, Worthington

Christina Madonna Guy, Millfield

Tracy Ann Henson, Columbus

Kimberly Ann Jackson, Alliance

Catherine Ann Kernich, Ashtabula

Kathy Leora Kessler, Radnor

Laurel Ann Kovach, Westerville

Debra Jean Kuivinen, Fairview Park

Tina Marie Kuklica, Euclid

Joanne Antoinette Leuser, Elyria

Lisa Joan McGranaghan, Nashville, Tenn.

Amy Jo McLaughlin, Wooster  
Beverly Jeanne Munde, Beaver Creek  
Margaret Louise Mueller, Kettering  
Kimberly Ann Newsome, Youngstown  
Jennifer Marie Phillips, Toronto  
Carol Lyn Russell, Logan  
Leslie Sue Stephens, Niles  
Rosalyn Lynette Unterzuber, Yorkville  
Karen Sue Wendel, Celina

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Wendy Lynn Alli, Warren  
Charles Thomas Congemi, Jr., Youngstown  
B.S. (Youngstown State University)  
Anita Lyne Dennenwitz, Reynoldsburg  
Kim Barbara Dolan, Powell  
Zsolt Laszlo Hatvani, Middleburg Heights  
B.S. (Cleveland State University)  
Jeffrey Daniel Klopp, Tiffin  
Nancy Lynn Little, Columbus  
Margaret Gayle Senn, Findlay  
Ernest Scott Sparks, London

## College of Social Work

Dean: Robert O. Washington

### Bachelor of Science in Social Welfare

Kimberly Michelle Burke,  
University Heights  
Viora Beth Carlin, Columbus  
Laurie Rose Friedman, Pepper Pike  
Stacy Scott Greene, East Brunswick, N. J.  
Barbara Lee Grove, Clearwater, Fla.  
Christina Kreber, Columbus  
David Alan Pliener, Pepper Pike  
Susan Carol Schrader, Montgomery  
Michael David Shepherd, Columbus  
Cynthia Yvonne Shoaf, Chillicothe  
Julie Marlene Silver, Cleveland  
Cheryl Renee Stein, Akron  
Mary Elizabeth Stock, Columbus  
Janis Sue Zoldan, Canton

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

**Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

**With Distinction in Agricultural Economics**  
Price Clarence Kellar, III

**With Distinction in Agricultural Education**  
Phillip Andrew Neff

**With Distinction in Civil Engineering**  
Ali Youssef Tobah

**With Distinction in Environmental Communications**  
Martha Ann Schmidt

**With Distinction in Forest Industries Management**  
Gregg Spencer Netzey

**With Honors in the Liberal Arts**  
Lisa Jo Goetz  
Jody Steven Kraus  
William P. Love  
Ellen Scott Rue  
Debra Lynn Sage

## **Cum Laude**

Douglas Abbott  
Darlene Sue Adkins  
Scott Allen Allman  
Lynn Marie Basel  
Debbie Biederman  
Thomas Lee Brown  
Jane Marie Burk  
Karen Louise Chericco  
Karen Lucile Christensen  
Christopher Alan DiSanto  
William Stuart Dowdy  
Lori Rose Freidman  
Nancy Ellen Garner  
Zsolt Laszlo Hatvani  
Jane Marie Hemker  
Tracy Ann Henson  
Keiko Hirokawa  
Iewan Li  
Michael Joseph Lynch  
Douglas Edward Macklin  
Joya Matheus  
Jacqueline Ann O'Keefe  
Mary Katherine Oswald  
Peter Eric Siegal  
Bradley Keith Sinnott  
Robert Stanley Sipp  
Donna Jean Smith  
Christopher John Sutton  
William Dale Waidelick  
James Scott Weaver  
Colleen Ellen Wherthey  
Donna Marie Wiley  
Cheryl Lynn Williams  
Mark Thomas Winters  
Diane Kay Yanice  
Marian Catherine Young  
Charlene Ann Zagarinsky  
Anne Marie Zirblis

**Cum Laude with Distinction in Agricultural Education/Agricultural Economics**  
Richard Todd Ricketts

**Cum Laude with Distinction in Home Management and Housing**  
Eva Marie Williamson

**Cum Laude with Distinction in Wildlife Management**  
Donna Ann Dewhurst

**Cum Laude with Distinction in Zoology and with Honors in the Liberal Arts**  
Michael Joseph Rubeis

**Cum Laude with Honors in the Liberal Arts**

Marta Angeline Haban  
Hania Nashef  
Charles Philip Hehmeyer

## **Summa Cum Laude**

Inge-Lise Christensen  
James Russell Clark  
Diane Lynn Cooper  
Mark Jay Davies  
Candace Winston Harker  
Marsha Oliver Hayden  
Catherine Ann Kernich  
Jon Michael McIntosh  
Abdisalam Haji Hussein Omar  
Gerald Michael Lepley  
Jeffrey Scott Loeb  
Jonathon Todd Loeb  
Wayne Ross Okes  
Jane Reavill Ransom  
John Clyde Rickel  
Rebecca Reed Suran

**Summa Cum Laude with Distinction in Accounting**  
John Allen Seifrick

**Summa Cum Laude with Distinction in Classics and with Honors in the Liberal Arts**  
Elizabeth Anne Rader

**Summa Cum Laude with Distinction in English and with Honors in the Liberal Arts**  
Lee Ann Tobin

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-SECOND MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 3, 1982

The Board of Trustees met at its regular monthly meeting on Friday, September 3, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

September 3, 1982 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, Edmund C. Redman, Leonard J. Immke, and Shirley D. Bowser.

--o--

The meeting of the Board of Trustees reconvened at 1:30 p.m.

### **DISTINGUISHED SERVICE AWARDS**

Resolution No. 83-19

*Synopsis: Recommendation for four individuals to receive Distinguished Service Awards is proposed.*

WHEREAS the President's Staff, serving as a Committee on Distinguished Service Awards, has nominated and recommended four individuals for approval by the Board of Trustees to receive the Distinguished Service Award at a time convenient to the University and the recipients:

Donald P. Cottrell  
Sydney Nettleton Fisher  
William E. MacDonald  
Everett C. Shimp

and

WHEREAS these awards are given in recognition of distinguished service to The Ohio State University and the awards are in accordance with action taken by the Board of Trustees in 1952:

NOW THEREFORE

BE IT RESOLVED, That the Distinguished Service Awards be approved for awarding as designated above.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

--o--

**PERSONNEL ACTIONS**

Resolution No. 83-20

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Appointments of New Chairmen of Departments, Divisions, Academic Faculty, and Director of School; Reappointment of Director of School; Leaves of Absence Without Salary; Professional Improvement Leave; Professional Improvement Leaves--Change of Dates; Professional Improvement Leave--Cancellation; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 9, 1982 meeting of the Board, including the following Appointments; Appointments of New Chairmen of Departments, Divisions, Academic Faculty, and Director of School; Reappointment of Director of School; Leaves of Absence Without Salary; Professional Improvement Leave; Professional Improvement Leaves--Change of Dates; Professional Improvement Leave--Cancellation; and Emeritus Titles as detailed in the University Budget, be approved.

Appointments

Name: JULES B. LAPIDUS  
Title: Dean  
School: Graduate  
Effective: October 1, 1982  
Salary: N/A  
Present Position: Vice Provost for Research and Dean of the Graduate School

Name: HOWARD P. FINK  
Title: Professor (The Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law)  
College: Law  
Effective: October 1, 1982  
Salary: \$62,640.00  
Present Position: Professor, College of Law, The Ohio State University

Appointments of New Chairmen of Departments, Divisions, Academic Faculty, and Director of School

October 1, 1982 through June 30, 1986

Chemistry Heinz Floss

July 1, 1982 through June 30, 1985

Pharmaceutics and Pharmaceutical Chemistry Robert E. Notari

September 3, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointments of New Chairmen of Departments, Divisions, Academic Faculty, and Director of School (contd)

September 1, 1982 through June 30, 1983

Human Nutrition and Food Management  
Industrial Design

\*Loren V. Geistfeld  
\*Joseph Koncelik

October 1, 1982 through June 30, 1983

Accounting  
Mining Engineering

\*Felix P. Kollaritsch  
Calvin J. Konya

July 1, 1982 through June 30, 1983

Home Economics

\*\*Lena Bailey

Reappointment of Director of School

October 1, 1982 through June 30, 1986

Public Administration

Clinton V. Oster

\* Acting Chairman

\*\* Acting Director

Leaves of Absence Without Salary

RICHARD BJORNSON, Professor, Department of Romance Languages and Literatures, effective October 1, 1982 through March 31, 1983, to accept a fellowship at the National Humanities Center, Research Triangle Park, North Carolina.

KATHEL AUSTIN KERR, Associate Professor, Department of History, effective January 1, 1983 through March 31, 1983, to accept a Fulbright Award at the University of Hamburg.

JAMES E. SCHULTZ, Associate Professor, Department of Mathematics, effective April 1, 1983 through June 30, 1983, to accept a visiting appointment at Oregon State University.

LESLIE W. TANNENBAUM, Associate Professor, Department of English, effective October 1, 1982 through March 31, 1983, to accept a Guggenheim Fellowship.

FRANKLIN C. CROW, Assistant Professor, Department of Computer and Information Science, effective October 1, 1982 through June 30, 1983, to participate in a research project at Xerox Palo Alto Research Center.

September 3, 1982 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary (contd)

PRABUDDHA DE, Assistant Professor, Academic Faculty of Accounting, effective October 1, 1983 through June 30, 1984, to accept a visiting associate professor position at Cornell University.

ANDRES DEL JUNCO, Assistant Professor, Department of Mathematics, effective January 1, 1983 through December 31, 1983, to accept a visiting research position at the Free University of Amsterdam.

INGVAR E. SODAL, Assistant Professor, Department of Anesthesiology, effective October 1, 1982 through June 30, 1983, to broaden his knowledge and expertise in the field of bioengineering.

MICHAEL M. SZPORER, Assistant Professor, Department of English (Mansfield Campus), effective April 1, 1983 through June 30, 1983, to accept an ACLS Research Fellowship.

#### Professional Improvement Leave

LARRY P. RITZMAN, Professor, Academic Faculty of Management Sciences, effective Winter Quarter 1983 and Spring Quarter 1983.

#### Professional Improvement Leaves--Change of Dates

EUGENE R. CAPRIOTTI, Professor, Department of Astronomy, change professional improvement leave from Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983 to Winter Quarter 1983 and Spring Quarter 1983.

A. PETER COSTANZA, Professor, School of Music, change professional improvement leave from Winter Quarter 1982 to Winter Quarter 1983.

DAVID J. LIM, Professor, Department of Otolaryngology, change professional improvement leave from Summer Quarter 1982 and Autumn Quarter 1982 to July 8, 1982 through January 7, 1983.

#### Professional Improvement Leave--Cancellation

RONALD C. ROSBOTTOM, Professor, Department of Romance Languages and Literatures, cancel professional improvement leave for Autumn Quarter 1983 and Winter Quarter 1984.

#### Emeritus Titles

JAMES W. BAUGHMAN, Department of Art, with the title Professor Emeritus, effective July 1, 1982.



September 3, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

BRUCE L. BENNETT, School of Health, Physical Education and Recreation, with the title Professor Emeritus, effective September 1, 1982.

JAMES K. DUNCAN, Academic Faculty of Educational Foundations and Research, with the title Professor Emeritus, effective August 1, 1982.

WILLIAM J. HOLLOWAY, Academic Faculty of Special Services, with the title Professor Emeritus, effective July 1, 1982.

RACHEL M. HUBBARD, Department of Human Nutrition and Food Management, with the title Professor Emeritus, effective August 1, 1982.

ARTHUR G. JAMES, Department of Surgery, with the title Professor Emeritus, effective July 1, 1982.

MARTHA LOUISE KING, Academic Faculty of Early and Middle Childhood Education, with the title Professor Emeritus, effective September 1, 1982.

WILLIS E. RAY, Academic Faculty of Industrial Technology, with the title Professor Emeritus, effective September 1, 1982.

STANLEY W. SMITH, Department of Zoology, with the title Professor Emeritus, effective August 1, 1982.

WILLIAM E. STAUB, Academic Faculty of Educational Administration, with the title Professor Emeritus, effective September 1, 1982.

GLOVER B. TRIPLETT, JR., Department of Agronomy, with the title Professor Emeritus, effective August 1, 1982.

MARY M. YOST, School of Health, Physical Education and Recreation, with the title Professor Emeritus, effective July 1, 1982.

EMERSON R. HATCHER, Department of Medicine, with the title Clinical Professor Emeritus, effective July 1, 1982.

RICHARD W. ZOLLINGER, Department of Surgery, with the title Clinical Professor Emeritus, effective July 1, 1982.

WENDELL P. SCOTT, Department of Obstetrics and Gynecology, with the title Clinical Associate Professor Emeritus, effective July 1, 1982.

HELEN L. SCHNEIDER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective September 1, 1982.

September 3, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

JEAN R. SEWELL, University Libraries (Lima Campus), with the title Assistant Professor Emeritus, effective July 1, 1982.

HAZEL W. BROWN, Academic Faculty of Special Services, with the title Instructor Emeritus, effective July 1, 1982.

JAMES ALLEN PROVOST, Academic Faculty of Vocational-Technical Education, with the title Instructor Emeritus, effective July 1, 1982.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 83-21

*Synopsis: Resolutions honoring the service of nine of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

William James Blackburn

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 24, 1982, of William James Blackburn, Associate Professor Emeritus in the College of Social Work.

Dr. Blackburn was born October 18, 1891, in Salem, Ohio. He received his Bachelor of Science in Social Administration degree in 1920, his Master of Arts degree in 1923, and his Doctor of Philosophy degree in 1934, all from The Ohio State University. In addition, he studied at the University of London, England, University of Leiden, Holland, and the University of Chicago.

Dr. Blackburn joined The Ohio State University faculty in the School of Social Administration as an Instructor in 1931. He was promoted to Assistant Professor in 1936 and then to Associate Professor in 1944. He retired in 1957.

September 3, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

William James Blackburn (contd)

Dr. Blackburn was a most able member of the faculty of the School of Social Work for many years. He learned from a great variety of social service experiences in settlement neighborhoods of Columbus and Chicago and through extensive travel elsewhere in the United States and most of Western Europe. He knew well the many problems of the Italians, Blacks, Appalachians, or other new migrants struggling for a start in the urban ghetto.

Dr. Blackburn held membership in the National Association of Social Workers, National Conference of Social Welfare, American Association of University Professors, and National Probation Association.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Lauren F. Brush

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 23, 1982, of Lauren F. Brush, Associate Professor Emeritus in the Academic Faculty of Accounting.

Professor Brush was born in Wisconsin, in November, 1904. Prior to coming to Ohio State, he was on the faculty at the University of Wisconsin, Syracuse University, and Louisiana State University. A CPA with two degrees earned at the University of Wisconsin, he taught the required undergraduate course in management accounting for many years. His professional area of interest was cost accounting. He was an Assistant Professor at Ohio State from 1954 until 1957 when he was promoted to the rank of Associate Professor.

Professor Brush held active memberships in the American Accounting Association and the National Association of Accountants. He had several publications and book reviews in *The Accounting Review*. From 1958 to 1966, he was the faculty member chiefly responsible for administering the Accounting Hall of Fame.

Professor Brush retired June, 1975, with 20 years of devoted and loyal service.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

September 3, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Russell R. Clymer

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 3, 1982, of Russell R. Clymer, Instructor Emeritus in the Cooperative Extension Service.

Mr. Clymer was born April 24, 1893, near Swanton, Ohio. He received his Bachelor of Science degree from The Ohio State University in 1921. He taught vocational agriculture and was assistant superintendent of schools before coming to the Cooperative Extension Service in 1928. Mr. Clymer was the County Agricultural Agent in Defiance County from 1928 until his retirement on December 31, 1957.

Mr. Clymer will long be remembered for his work in founding Camp Palmer in 1946. He also founded the Defiance-Henry Jersey Bull Association, the first bull association in north-west Ohio. He was very active in organizing and promoting various agronomy groups. Mr. Clymer received many awards for his outstanding dedication and service to the agricultural field.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Clymer its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

Mary Jayne Dovenbarger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 14, 1982, of Mary Jayne Dovenbarger, Assistant Professor Emeritus in the Cooperative Extension Service.

Mrs. Dovenbarger was born July 22, 1915, in Columbus, Ohio. She graduated from North High School. She received her bachelor of science degree in home economics education from The Ohio State University in 1940. She served as home economics agent in Ashland County from 1942 to 1947 and again from 1972 until her retirement on May 31, 1982. Other steps in her career included home economics teacher in Butler County, state extension clothing specialist during the summer of 1947, demonstrator for the Ohio Edison Company, teacher at Ashland High School and teacher at Ashland College.

Mrs. Dovenbarger was described as an outstanding leader in Ashland County who involved the community in whatever projects that were designated to meet the needs and interests of the community.

On behalf of the University community, the Board of Trustees expresses to the family of Mrs. Dovenbarger its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and her many friends and associates have sustained.

September 3, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Robert H. Downes

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 20, 1982, of Dr. Robert H. Downes, Associate Professor in the College of Dentistry.

Dr. Downes received his D.D.S. degree from West Virginia University College of Dentistry in 1961.

Dr. Downes was a member of the faculty of the College of Dentistry from January 1966 to the present time. He was in private practice from 1961-69.

Dr. Downes was a member of the American Dental Association, Ohio Dental Association, Columbus Dental Society and the American Association of Dental Research. He was also a member of Omicron Kappa Upsilon Dental Honorary Fraternity.

He was engaged in numerous research projects dealing with ceramic implants of teeth in conjunction with the United States Army and Battelle Memorial Institute.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Leo A. Estel

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 15, 1981, of Leo A. Estel, Professor Emeritus in the Department of Anthropology.

Dr. Leo Estel entered the field of anthropology rather late in life after an extensive career in the Merchant Marine. His undergraduate and graduate studies were taken at the University of California, Berkeley, where he received his Doctor of Philosophy degree in anthropology in 1950.

Dr. Estel joined The Ohio State University faculty in the Department of Sociology and Anthropology in 1950. From that time until his retirement twenty years later, Dr. Estel continued to pursue his professional interests in physical anthropology, human variability, and the peasant cultures of the Windward Islands of the Caribbean, where he conducted research on five separate occasions. Articles reporting his research findings appeared in the *American Journal of Physical Anthropology* and other professional publications. He was also an active member of the scholarly associations, Phi Beta Kappa and Sigma Xi, and a fellow of the American Anthropological Association.

Perhaps Dr. Estel's greatest contribution to the University was in the area of teaching. Throughout his career he taught both graduate and undergraduate courses and showed great concern for all of his students. The outstanding quality of his teaching was acknowledged by

September 3, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Leo A. Estel (contd)

the University's Distinguished Teaching Award and by the frequent praise from Ohio State University alumni who recalled his classes with great fondness. When Woody Hayes returned from visiting former OSU students serving in Viet Nam, he wrote to Dr. Estel to tell him that many of these young men had singled him out as their most outstanding teacher.

Dr. Estel's work was a credit to the University. He will be greatly missed and fondly remembered for his professional contributions to the field of anthropology, his constant support for his colleagues, and his unflagging devotion and dedication to his students.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Lawrence C. Holtkamp

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 14, 1982, of Lawrence C. Holtkamp, Instructor Emeritus in the Cooperative Extension Service.

Mr. Holtkamp was born February 6, 1909, in New Knoxville, Ohio. He received his Bachelor of Science degree from The Ohio State University in 1932. He taught vocational agriculture at Green Springs, Ohio, and West Unity, Ohio, from 1932 to 1935. He came to work for the Cooperative Extension Service in December of 1938 as Acting County Agricultural Agent in Henry County. In 1939, he was Assistant County Agricultural Agent in Hancock County and later moved to Champaign and Mercer Counties. Mr. Holtkamp served as County Agricultural Agent in Putnam County from 1940 to 1945; he then moved to Van Wert County as the County Agricultural Agent where he served until his retirement in 1969.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Holtkamp its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

Eunice T. Kochheiser

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 9, 1982, of Eunice T. Kochheiser, Professor Emeritus in the Cooperative Extension Service.

Eunice Teal Kochheiser was born March 27, 1896, in McCordsville, Indiana. Her long career in education started at the age of 20 when she began teaching in a primary school in her

September 3, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Eunice T. Kochheiser (contd)

home town of McCordsville, Indiana. During the next eight years, she completed her bachelor's degree at Purdue University and taught at three other locations including Cleveland and Indianapolis before going to Montgomery County in 1924 as the home demonstration agent.

She contributed greatly to the development of the Ohio Cooperative Extension Service and its home economics programs: serving six years as an agent, two years as home economics specialist, 17 years as assistant state home demonstration leader, and then three years as supervisor. Her dedication, service and leadership won her several honors and awards including a farm foundation scholarship which she used to obtain her master of education degree at Cornell in 1948.

On behalf of the University community, the Board of Trustees expresses to the family of Mrs. Kochheiser its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees.

John H. Sitterley

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 11, 1982, of John Haas Sitterley, Professor Emeritus in the Department of Agricultural Economics and Rural Sociology.

Dr. Sitterley was born in Canal Winchester, Ohio, in 1905. His deep roots in Fairfield County agriculture provided strong support for a productive life. His pride and ambition for the development of Sitterley Farms was an important concern. This farming foundation provided him the ability to better understand many events and enabled him to relate economic, political and social change to the well-being of all people.

Eight grades of formal education were provided in a one-room school located near the home farmstead. Four years of secondary education at Lithopolis via a Model T Ford provided the foundation for enrolling at The Ohio State University. He earned a Bachelor of Science in Agriculture degree in 1928 and in that year joined the staff of the Department of Rural Economics. He received a Master of Science degree from OSU in 1932 and in 1936, became an Assistant Professor. In 1944, he received the Doctor of Philosophy degree and was promoted to Associate Professor in the Department of Rural Economics and Rural Sociology. In 1947, Dr. Sitterley became a full Professor.

For approximately fifteen years thereafter, Dr. Sitterley guided the teaching and research program in farm management and land economics. By his own efforts as a teacher and researcher and by the example he set, John Sitterley was the leader of farm management and land economics in Ohio. During this period, he served as Chairman of the North Central Region Farm Management Committee, represented the Experiment Station and the University on the State Conservation Needs Committee and for 12 years served as Secretary-Treasurer of the Ohio Society of Farm Managers and Rural Appraisers. In the Spring of

September 3, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

John H. Sitterley (contd)

1958, Dr. Sitterley was voted by students as one of the top ten professors at The Ohio State University. In 1960, he received the OSU Alumni Award for Distinguished Teaching.

In 1964, John and his wife moved to Piracicaba, Brazil, to accept one of the most challenging and difficult assignments this University has offered. The task was to develop a relationship--to lay a foundation for building a program of educational assistance between OSU and ESALQ. Dr. Sitterley was first Chief of Party and served in that capacity for four years.

John was respected by those persons close to him, especially his department peers. As often stated by one colleague, John H. Sitterley was both a "gentleman and a scholar." John evolved from rural America and developed the sophistication and grace to relate with comfort to all people. Not only did he enjoy a long and productive tenure of 47 years at OSU, his interest and ability to challenge and evaluate each new event was appreciated by and benefitted all. His concern for equity, truth and the well-being of people enabled Dr. Sitterley to be a most respected teacher, advisor and colleague.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**ENROLLMENT**

President Jennings:

During the Educational Affairs Committee, Mr. Chairman, we did have a very interesting report on our enrollment prospects. And judging from a comment I just heard from a reporter, I think it is worth reemphasizing that our enrollment projections are within plan; we are not expecting major declines in enrollment; we're expecting to be within the enrollment ceilings established by the General Assembly.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-22

*Synopsis: The reports on contracts, grants, and gifts and the summaries for June and July are presented for Board acceptance.*



September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through the Office of Business and Finance of the University, The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Finance, the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the months of June and July 1982, be approved.

Upon motion of Mr. Havens, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR JUNE 1982**

Source	No. of Projects	Support Level
Office of Business and Finance	7	\$ 2,686,096.86
The Ohio State University Research Foundation	144	9,301,499.82
Engineering Experiment Station	16	235,677.00
		\$12,223,273.68
The Ohio State University Development Fund		
Establishment of Named Funds		
The James N. George Fund (Dr. James N. George and/or College of Medicine)		\$ 401,858.34
The Mildred S. and Noel F. George Fund (Library - College of Law)		\$ 100,000.00

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JUNE 1982 (contd)**

The Ohio State University Development Fund (contd)

Change in Description of Named Fund

The William Ray Flesher Professorship in  
Educational Administration Fund

Report from Presidents Club

Members to date	4,549
1982 members: year to date	75
New members - June 1982	12

New Presidents Club Members - June 1982

Cecilia S. Cullman (Mrs. W. Arthur)	Gail Klevay (Mrs. Walter J.)
Tom W. Davis	James M. Palermo
John E. du Pont	Harry G. Pars
David C. Fontana	Roy A. Stambaugh
Robert J. Gaston	Patti D. Tewell
W. James Harper	Lamar G. Williams

**SUMMARY FOR JULY 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	79	\$5,532,926.68
Engineering Experiment Station	58	472,247.00
Ohio Agricultural Research and Development Center	9	125,100.00
		\$6,130,273.68

The Ohio State University Development Fund

Establishment of Named Funds

The James W. Overstreet Chair in Cardiology Fund (College of Medicine)	\$ 398,324.13
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September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JULY 1982 (contd)**

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Paissiy Endowed Professorship in Bulgarian Civilization and Culture (Department of Slavic and East European Languages and Literatures)	\$ 25,000.00
The John Scott and Della Errington Memorial Scholarship Fund (College of Agriculture and Home Economics)	\$ 24,000.00
The Alga D. "Peg" Weaver Honor Scholarship in Home Economics (School of Home Economics)	\$ 5,200.00
The Stanley W. Joehlin Award in Agricultural Engineering (Department of Agricultural Engineering)	\$ 5,000.00

Report from Presidents Club

Members to date	4,552
1982 members: year to date	87
New members - July 1982	12

New Presidents Club Members - July 1982

Fernando G. Cosio	James M. Ryan
Wayne W. Hayes	Grant E. Schmidt
Thomas H. Hisrich	Norma L. Singer
Charles W. Krallman	George L. Smith, Jr.
Joseph F. Plouffe	Matt R. Williams
Edward J. Potter, III	David S. Yohn

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1982 through June 30, 1982

**OFFICE OF BUSINESS AND FINANCE**

Source	No. of Projects	Support Level
STATE OF OHIO	7	\$2,686,096.86

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1982 through June 30, 1982

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Sponsor	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	10	\$ 493,687.00
National Science Foundation	42	2,226,077.00
Department of Defense	18	781,436.00
Department of Energy	8	904,514.00
Department of Education	19	1,569,008.00
Department of Health and Human Services	50	5,017,065.00
Other Federal	16	2,313,073.88
<b>TOTAL - FEDERAL</b>	<b>163</b>	<b>\$13,304,860.88</b>
<b>STATE OF OHIO</b>	<b>16</b>	<b>\$ 456,590.00</b>
<b>INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS</b>	<b>106</b>	<b>\$ 4,284,411.26</b>
<b>GRAND TOTAL</b>	<b>285</b>	<b>\$18,045,862.14</b>

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FOURTH QUARTER SUMMARY**

April 1, 1982 through June 30, 1982

**ENGINEERING EXPERIMENT STATION**

Sponsor	No. of Projects	Support Level
INDUSTRIAL AND OTHER	93	\$856,734 .00

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OFFICE OF BUSINESS AND FINANCE**

**State of Ohio Research Contracts/Grants**

\$1,053,083.92 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Trade and Industrial Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1982 through June 30, 1983.

\$512,003.70 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services in Vocational Agriculture, Department of Agricultural Education, July 1, 1982 through June 30, 1983.

\$321,186.32 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Research, Survey, Evaluation and Exemplary Programs, Department of Agricultural Education, July 1, 1982 through June 30, 1983.

\$311,120.23 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Distributive Education Teacher Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1982 through June 30, 1983.

\$273,946.12 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services in Vocational Home Economics, School of Home Economics, July 1, 1982 through June 30, 1983.

\$109,186.34 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Vocational Guidance and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1982 through June 30, 1983.

\$105,570.23 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Business and Office Teacher Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1982 through June 30, 1983.

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$2,686,096.86**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Report - June 1982**

**Federal Research Contracts/Grants**

\$1,575,027.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant - Administration, Cancer Research Center (D. S. Yohn), 1 July 1982 through 30 June 1983. (Project 763976 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$380,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, High Energy Physics, Department of Physics (T. A. Romanowski, K. Reibel, N. W. Reay, Noel R. Stanton, T. Y. Ling, and H. P. Kagan), 17 June 1982 through 31 January 1983. (Project 762116 - Continuation)

\$257,807.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Transmural Transport in Blood Vessels, Department of Pathology (D. L. Fry), 1 July 1982 through 30 June 1983. (Project 763184 - New)

\$240,000.00 - National Science Foundation, Washington, D. C., Establishment of a Center for Welding Research, Department of Welding Engineering (R. B. McCauley), 1 July 1982 through 30 June 1983. (Project 762389 - Continuation)

\$202,740.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Regional Resource Center for Agencies Providing Educational Services for Handicapped Children in Ohio, Indiana, and Illinois, Academic Faculty for Exceptional Children (T. M. Stephens), 1 June 1982 through 31 May 1983. (Project 762383 - Continuation)

\$186,642.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Communications Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis) and Department of Industrial and Systems Engineering (C. H. Martin), 14 July 1982 through 13 July 1984. (Project 762552 - Continuation)

\$159,600.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., An Award for Fellowships for 1982-83 Under the Graduate and Professional Opportunities Program, Title IX (Part B) of the Higher Education Act of 1965, as Amended, Graduate School - Administration and College of Education - Administration (A. S. Pruitt), 1 September 1982 through 31 August 1983. (Project 763113 - New)

\$152,239.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1982 through 30 June 1983. (Project 761160 - Continuation)

\$150,000.00 - Department of the Interior, Bureau of Mines, Washington, D. C., Mining and Mineral Resources Research Institute Annual Allotment Program, Division of Mining Engineering (C. J. Konya), 1 July 1982 through 30 June 1983. (Project 763149 - New)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$149,998.00 - Department of Energy, Laramie Energy Technology Center, Laramie, Wyoming, Coupled Thermo-Mechanical and Poro-Mechanical Response Evaluations Associated with Underground Coal Conversion, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 16 June 1982 through 15 June 1985. (Project 763138 - Continuation)

\$126,143.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, A Model of Parainfectious Demyelinating Encephalitis, Department of Veterinary Pathobiology (G. S. Krakowka), 1 July 1982 through 30 June 1983. (Project 762797 - Continuation)

\$114,534.00 - Environmental Protection Agency, Washington, D. C., DNA Damage in Human Lymphocytes as Indicators of Carcinogen Exposure, Departments of Radiology and Pharmacology (S. M. D'Ambrosio) and Department of Medicine (R. L. Whisler), 1 May 1982 through 30 April 1983. (Project 762158 - Continuation)

\$113,917.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Study of the Clinical Pharmacokinetics of Anticancer Drugs, College of Pharmacy (L. Malspeis), 1 May 1982 through 30 April 1983. (Project 761128 - Continuation)

\$110,000.00 - National Science Foundation, Washington, D. C., Synthesis and Isomerization Reactions of Novel Alicyclic Molecules, Department of Chemistry (L. A. Paquette), 1 September 1982 through 31 August 1983. (Project 761850 - Continuation)

\$109,855.00 - Department of Education, Division of Program Development, Dissemination and Desegregation Affairs, Washington, D. C., Continuation Application for Bilingual Teacher Education Project, Marion Campus and Academic Faculty of Early and Middle Childhood Education (V. G. Allen), 1 September 1982 through 31 August 1983. (Project 762401 - Continuation)

\$105,900.00 - National Science Foundation, Washington, D. C., Hot Corrosion of Metals and Alloys by Fused Salts, Department of Metallurgical Engineering (R. A. Rapp), 1 August 1982 through 31 July 1983. (Project 763189 - Continuation)

\$105,000.00 - National Science Foundation, Washington, D. C., Effects of Temporal Context upon Attention/Perception, Department of Psychology (M. R. Jones), 15 July 1982 through 30 June 1984. (Project 763191 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$99,997.00 - Department of the Air Force, Air Force Office of Scientific Research (AFSC), Bolling Air Force Base, D. C., Distributed Knowledge Base Systems for Diagnosis and Information Retrieval, Department of Computer and Information Science (R. Chandrasekaran), 30 June 1982 through 29 June 1983. (Project 763180 - Continuation)

\$99,991.00 - Department of the Navy, Naval Air Station, Point Mugu, California, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 15 June 1982 through 14 June 1983. (Project 763148 - New)

\$99,973.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Application of Optical Computing Techniques to Jet Engine Control, Department of Electrical Engineering, ElectroScience Laboratory (S. A. Collins), 1 August 1982 through 30 July 1983. (Project 761795 - Continuation)

\$95,767.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Prostaglandin Control of Macrophage Antitumor Activity, Department of Microbiology and Cancer Research Center (B. S. Zwilling) and Department of Pharmacology (B. D. Andresen and R. Fertel), 1 July 1982 through 31 May 1983. (Project 763192 - New)

\$83,151.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Science, Research Triangle Park, North Carolina, Trihalomethanes in Water: An Epidemiologic Model, Department of Preventive Medicine (J. R. Wilkins, III), 1 July 1982 through 30 June 1983. (Project 762748 - Continuation)

\$81,764.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Chemistry and Pharmacology of Thalicticum Constituents, College of Pharmacy (J. L. Beal, R. W. Doskotch and P. N. Patil), 1 July 1982 through 30 June 1983. (Project 761497 - Continuation)

\$80,000.00 - National Science Foundation, Washington, D. C., American Lakes: Comparative and Paleolimnological Analyses to Test Hypotheses, Department of Zoology (P. A. Colinvaux), 1 June 1982 through 31 May 1983. (Project 762634 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$79,306.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Predoctoral Training in Medicinal Chemistry, College of Pharmacy (D. T. Witiak), 1 July 1982 through 30 June 1983. (Project 761123 - Continuation)

\$78,149.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Dental Research, Bethesda, Maryland, Studies on the Dextran Sucrase of Streptococcus Sanguis, Department of Chemistry (R. M. Mayer), 1 July 1982 through 30 June 1983. (Project 760160 - Continuation)

\$76,700.00 - National Science Foundation, Washington, D. C., Dynamics, Synthesis and Structure of Carbanionic Substances, Department of Chemistry (G. A. Fraenkel), 1 July 1982 through 30 June 1983. (Project 762189 - Continuation)

\$76,110.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Nursing, Bethesda, Maryland, Women's Health Research Program, School of Nursing (J. S. Stevenson), 1 July 1982 through 30 June 1983. (Project 762275 - Continuation)

\$75,000.00 - National Endowment for the Humanities, Washington, D. C., An Edition of the Records of Early English Drama, Department of English (S. J. Kahrl), 1 June 1982 through 31 May 1984. (Project 763122 - New)

\$67,593.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Stereochemistry of Enzyme Reactions to Phosphorus, Department of Chemistry (M. D. Tsai), 1 July 1982 through 30 June 1983. (Project 762722 - Continuation)

\$66,871.00 - National Science Foundation, Washington, D. C., Environmental and Climate of the American Equator Since 18K, Department of Zoology (P. A. Colinvaux), 1 July 1982 through 30 June 1983. (Project 763164 - New)

\$66,000.00 - National Science Foundation, Washington, D. C., Development of Brainstem-Spinal Systems Related to Autonomic Control, Pain Modulation and Somatic Motor Activity, Department of Anatomy (G. F. Martin), 1 September 1980 through 31 August 1983. (Project 762278 - Continuation)

\$65,424.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Gaseous Corrosion of Silicon Based Ceramics, Department of Ceramic Engineering (E. R. Kreidler and D. W. Readey), 1 July 1982 through 30 June 1983. (Project 763186 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$64,000.00 - National Science Foundation, Washington, D. C., Customizable Workstation Environment, Department of Computer and Information Science (J. Ramanathan), 1 July 1982 through 30 June 1984. (Project 763117 - New)

\$62,804.00 - Department of Energy, Argonne, Illinois, Development of Genetic Systems for Analysis of the Obligate Anaerobe *Methanobacterium ruminantium* PS, Department of Microbiology (J. N. Reeve and J. I. Frea), 1 July 1982 through 30 June 1983. (Project 762755 - Continuation)

\$60,983.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 July 1982 through 30 June 1983. (Project 761742 - Continuation)

\$60,000.00 - Department of Transportation, National Highway Traffic and Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development - Head/Neck Simulator, Department of Mechanical Engineering (D. A. Guenther), 1 August 1982 through 31 July 1983. (Project 763173 - New)

\$59,167.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1982 through 30 June 1983. (Project 761133 - Continuation)

\$57,910.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, C-Reactive Protein Regulation of Tumor Immunity, Department of Microbiology (R. E. Mortensen), 1 July 1982 through 30 June 1983. (Project 762354 - Continuation)

\$56,873.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, cAMP Inhibition of Macrophage Tumor Cell Cytotoxicity, Department of Medicine (M. S. O'Dorisio), 1 July 1982 through 30 June 1983. (Project 762898 - Continuation)

\$55,384.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, The Enzymology of Mercury Detoxification, College of Pharmacy (J. W. Williams), 1 July 1982 through 30 June 1983. (Project 762733 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$55,000.00 - National Science Foundation, Washington, D. C., Geologic and Paleontologic History of the James Ross Island Basin, Northern Antarctica Peninsula, Institute of Polar Studies and Department of Geology and Mineralogy (D. H. Elliot) and Institute of Polar Studies (W. J. Zinsmeister), 1 August 1982 through 31 July 1983. (Project 762806 - Continuation)

\$55,000.00 - National Science Foundation, Washington, D. C., Systematics of Egg Parasitoids of the Subfamily Telenominae Hymenoptera Scelionidae, Department of Entomology (N. F. Johnson), 1 July 1982 through 30 June 1984. (Project 763081 - New)

\$54,834.00 - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Rockville, Maryland, The Veterinary Drug Experience Reporting Program, Department of Veterinary Clinical Sciences (P. W. Murdick), 27 June 1982 through 26 June 1983. (Project 762689 - Continuation)

\$54,786.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Regulation of Dihydrofolate Reductase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 July 1982 through 30 June 1983. (Project 761710 - Continuation)

\$53,394.00 - Environmental Protection Agency, Chicago, Illinois, Technical Assessment of the Lake Erie Intensive Study, Center for Lake Erie Area Research (C. E. Herdendorf), 1 February 1982 through 31 August 1982. (Project 762099 - Continuation)

\$53,001.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Analyzing Program Methodologies Using Software Science, Department of Computer and Information Science (S. H. Zweben), 1 August 1982 through 31 July 1983. (Project 762340 - Continuation)

\$46,350.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Regular Education Inservice (Comprehensive Vocational Education for All Handicapped Persons: Inservice Support for Transition from Education to Work), The National Center for Research in Vocational Education (R. E. Taylor), 1 June 1982 through 31 May 1983. (Project 762183 - Continuation)

\$41,715.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Handicapped Pre-Service Personnel Preparation--Continuation Proposal, Third Year, School of Health, Physical Education and Recreation (W. E. Ersing), 1 June 1982 through 31 May 1983. (Project 762175 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$39,078.00 - National Science Foundation, Washington, D. C., Journal of Money, Credit, and Banking Data Storage and Evaluation, Department of Economics (W. G. Dewald and J. G. Thursby), 1 July 1982 through 30 June 1984. (Project 763145 - New)

\$33,000.00 - National Science Foundation, Washington, D. C., Decentralized Control with Low Order, Local Models, Department of Electrical Engineering (U. Ozguner), 1 July 1982 through 30 June 1984. (Project 763188 - New)

\$31,902.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Hyattsville, Maryland, Pre-Clinical to Clinical Medicine: A Transitional Curriculum, Department of Medicine (L. L. Gabel), 1 July 1982 through 30 June 1983. (Project 762756 - Continuation)

\$31,500.00 - National Science Foundation, Washington, D. C., Stereochemistry of Enzyme Reactions Involving a Pro-Prochiral Phosphorus Center, Department of Chemistry (M. D. Tsai), 1 July 1982 through 30 June 1983. (Project 762698 - Continuation)

\$30,900.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Dean's Grant, Academic Faculty for Exceptional Children (P. A. Connard), 1 June 1982 through 31 May 1983. (Project 762170 - Continuation)

\$28,350.00 - National Science Foundation, Washington, D. C., Applications of Algebraic Geometry to Quasi-Periodic Soliton Theory, Department of Mathematics (M. G. Forest and N. M. Ercolani), 1 July 1982 through 30 June 1984. (Project 763116 - New)

\$28,000.00 - National Science Foundation, Washington, D. C., Kirkpatrick Basalt Group, North Victoria Land, Antarctica, Department of Geology and Mineralogy and Institute of Polar Studies (D. H. Elliot and G. Faure), 1 July 1982 through 30 June 1983. (Project 762871 - Continuation)

\$24,000.00 - National Science Foundation, Washington, D. C., Fucose Synthesis and Utilization in Mammalian Tissue, Department of Biochemistry (G. S. Serif), 1 July 1982 through 30 June 1983. (Project 762042 - Continuation)

\$23,600.00 - National Science Foundation, Washington, D. C., Lifting Theory Problems Associated to Dual Reductive Pairs, Department of Mathematics (S. J. Rallis), 1 July 1982 through 30 June 1984. (Project 762078 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$20,600.00 - National Science Foundation, Washington, D. C., Sum-of-Squares Identities, Department of Mathematics (D. B. Shapiro), 1 July 1982 through 30 June 1984. (Project 763155 - New)

\$19,570.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Development of a Field-Based Preparation Program in Special Education Administration and Supervision, Academic Faculty for Exceptional Children (R. H. Swassing), 1 June 1982 through 31 May 1983. (Project 763165 - New)

\$19,241.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., The Ohio State University Preservice Training Project for Special Education Personnel, Academic Faculty for Exceptional Children (P. A. Connard), 1 June 1982 through 31 May 1983. (Project 762853 - Continuation)

\$18,582.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Clinical Cancer Education Program, Department of Surgery (A. G. James), 1 July 1982 through 30 June 1983. (Project 761412 - Continuation)

\$17,357.00 - National Science Foundation, Washington, D. C., Some Problems in Probabilistic Potential Theory, Department of Mathematics (N. Falkner), 1 July 1982 through 30 June 1984. (Project 762692 - Continuation)

\$17,128.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation, Department of Mechanical Engineering (D. A. Guenther), 1 July 1982 through 31 December 1982. (Project 762963 - Continuation)

\$15,118.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Zero Modules and Inverse System Design, Department of Mathematics (B. F. Wyman), 1 July 1982 through 30 June 1983. (Project 762131 - Continuation)

\$15,046.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Fogarty International Center, Bethesda, Maryland, Inner Ear Study with X-Ray Microanalysis, Department of Otolaryngology (D. J. Lim), 15 July 1982 through 15 January 1983. (Project 763127 - New)

\$12,825.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Traineeships, Graduate Health Administration Programs, School of Allied Medical Professions (S. F. Loebs), 1 July 1982 through 30 June 1983. (Project 763121 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$10,744.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Pilot Performance and Workload Assessment: An Analysis of Pilot Errors, Department of Aviation (R. S. Jensen), 1 July 1982 through 30 September 1982. (Project 763156 - New)

\$10,711.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Non-Contact Crash Data Acquisition Interface, Department of Electrical Engineering (H. Hema-mi), 1 March 1982 through 30 September 1982. (Project 762618 - Continuation)

\$10,300.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., The Preservice and Inservice Training of Teachers of the Hearing Impaired in Microcomputer and Computer Graphics Techniques as an Instructional Tool in Grades K-12, Academic Faculty for Exceptional Children (S. Rose) and Department of Engineering Graphics (J. B. Waldron), 1 June 1982 through 31 May 1983. (Project 763154 - New)

\$10,000.00 - National Science Foundation, Washington, D. C., The Economics of Reforestation in Energy and Food Deficient LDCs: A Case Study in Ghana, Department of Agricultural Economics and Rural Sociology (F. J. Hitzhusen), 1 July 1982 through 30 June 1983. (Project 763134 - New)

\$5,988.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, A Study of Tactual Sensing and Transmittal of Information, Department of Psychology (R. J. Jagacinski) and Department of Aviation (R. D. Gilson), 1 July 1982 through 30 September 1982. (Project 760476 - Continuation)

\$5,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Conference on Wave Propagation and Scattering, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 June 1982 through 31 May 1983. (Project 763163 - New)

\$3,370.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Ohio State University Preservice/Inservice Training Project for Special Education Personnel: Optacon Inservice Workshop, Academic Faculty for Exceptional Children (J. E. Ward), 1 June 1982 through 31 May 1983. (Project 762171 - Continuation)

\$840.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Agricultural Technical Institute, Wooster, University Libraries (G. Guthrie), 1 October 1982 through 30 September 1983. (Project 763158 - Continuation)



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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$840.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Lima Regional Campus, University Libraries (G. Guthrie), 1 October 1982 through 30 September 1983. (Project 763161 - Continuation)

\$840.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Mansfield Regional Campus, University Libraries (G. Guthrie), 1 October 1982 through 30 September 1983. (Project 763162 - Continuation)

\$840.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Marion Regional Campus, University Libraries (G. Guthrie), 1 October 1982 through 30 September 1983. (Project 763159 - Continuation)

\$840.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Newark Regional Campus, University Libraries (G. Guthrie), 1 October 1982 through 30 September 1983. (Project 763160 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$6,908,509.00**

**State of Ohio Research Contracts/Grants**

\$75,000.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio Education Deans' Task Force for Personnel Preparation for the Handicapped, Academic Faculty for Exceptional Children (T. M. Stephens), 1 July 1982 through 30 June 1983. (Project 763187 - Continuation)

\$62,004.00 - State of Ohio, Department of Education, Vocational and Career Education and School Food Service, Columbus, Ohio, Provision of Technical Assistance to the Ohio Occupational Information Coordinating Committee, Academic Faculty of Labor and Human Resources (S. C. Kelley), 1 July 1982 through 30 June 1983. (Project 763183 - Continuation)

\$40,500.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio Education Deans' Task Force for Personnel Preparation for the Handicapped, Academic Faculty for Exceptional Children (T. M. Stephens), 1 July 1982 through 30 June 1983. (Project 763133 - New)

\$9,094.00 - State of Ohio, Department of Education, Division of School Food Service, Columbus, Ohio, "Upward Bound" Summer Food Service Program, Office of Minority Affairs (R. T. McDonald), 17 June 1982 through 30 July 1982. (Project 763151 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$4,000.00 - State of Ohio, Department of Economic and Community Development, Columbus, Ohio, Home Energy Assistance Program, Department of Political Science (K. J. Andersen), 1 April 1982 through 1 May 1982. (Project 763119 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                    \$ 190,598.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$371,974.00 - The Robert Wood Johnson Foundation, Princeton, New Jersey, Rural Infant Care Program Summary, Department of Obstetrics and Gynecology (R. O'Shaughnessey), 1 July 1982 through 30 June 1984. (Project 762218 - Continuation)

\$302,243.00 - The Procter and Gamble Company, Cincinnati, Ohio, Study of Dental Caries, College of Dentistry - Oral Biology (W. A. Zacherl), 1 July 1982 through 30 June 1983. (Project 762065 - Continuation)

\$150,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Importance of Reactive Oxygen Species to Cell Damage, Department of Medicine (A. L. Sagone, Jr.), 1 July 1982 through 30 June 1985. (Project 763144 - New)

\$125,304.00 - The Procter and Gamble Company, Cincinnati, Ohio, Study of Dental Calculus, College of Dentistry - Administration (W. A. Zacherl), 1 July 1982 through 30 June 1983. (Project 760029 - Continuation)

\$119,968.00 - The Procter and Gamble Company, Cincinnati, Ohio, Selective Hydrogenation Catalysts from Supported Mono- and Bi-Metallic Complexes of Chelating Triphosphines, Department of Chemistry (D. W. Meek), 1 July 1982 through 30 June 1985. (Project 763152 - New)

\$110,000.00 - Rockwell International North American Aircraft Operations, Los Angeles, California, Radar Cross Section of Air Craft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 25 April 1982 through 30 September 1982. (Project 762982 - Continuation)

\$82,979.00 - City of Columbus, Department of Public Service, Division of Water, Columbus, Ohio, Study the Presence, Distribution and Control of Legionella in the Columbus Water Distribution System and University Hospital, Department of Microbiology (M. S. Rheins and O. H. Tuovinen) and Department of Medicine (J. F. Plouffe), 1 June 1982 through 31 May 1983. (Project 763082 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$81,860.00 - Hospital Financial Management Association, Oak Brook, Illinois, The Development of a Financial Analysis Service for the Hospital Industry, School of Allied Medical Professions (W. O. Cleverley), 1 July 1982 through 30 June 1983. (Project 761794 - Continuation)

\$47,466.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Exemplary Dental Services for the Handicapped, Nisonger Center for Mental Retardation (E. S. Sterling), 1 July 1982 through 30 June 1983. (Project 763176 - Continuation)

\$44,456.49 - Various Pharmaceutical Labs, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass, and J. L. Plouffe), 1 March 1982 through 28 February 1983. (Project 763020 - Continuation)

\$43,886.00 - Electric Power Research Institute, Palo Alto, California, Study of Acid Corrosion in the Clean Gas Saturator of a Coal Gasification Combined Cycle Power Plant, Department of Metallurgical Engineering (D. D. Macdonald), 21 June 1982 through 31 December 1982. (Project 763175 - New)

\$38,915.00 - Adria Laboratories, Inc., Columbus, Ohio, Synthesis of Novel Anthracycline Glycosides, Department of Chemistry (D. Horton), 1 October 1982 through 30 September 1983. (Project 762866 - Continuation)

\$35,340.00 - University of California, Davis, California, Physiology of Buoyancy Regulation, Department of Chemistry (L. J. Greenwald), 1 July 1982 through 30 June 1983. (Project 763146 - New)

\$31,925.00 - Smith Kline and French Laboratories, Philadelphia, Pennsylvania, Dose Range Study of Triamterene in Patients Developing Hypokalemia During Hydrochlorothiazide Therapy, College of Pharmacy (J. A. Visconti) and Department of Family Medicine (P. J. Fahey), 1 July 1982 through 31 January 1983. (Project 763185 - New)

\$30,250.00 - American Heart Association, Inc., Dallas, Texas, Peripheral Circulation-Neural Control in Normal and SHR Rats, Department of Physiology (J. A. Boulant), 1 September 1982 through 31 August 1983. (Project 762709 - Continuation)

\$26,000.00 - Northern Arizona University, Flagstaff, Arizona, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1982 through 31 December 1982. (Project 763123 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$25,690.00 - DNA Clinical Research Corporation, Inc., Columbus, Ohio, Strand Break Repair of DNA in Human Peripheral Lymphocytes, Department of Radiology (R. E. Stephens and P. D. Lipetz), 11 June 1982 through 10 September 1982. (Project 762992 - Continuation)

\$25,000.00 - Alfred P. Sloan Foundation, New York, New York, Alfred P. Sloan Research Fellowship, Department of Chemistry (M. S. Platz), 16 September 1982 through 15 September 1984. (Project 763171 - New)

\$25,000.00 - Alfred P. Sloan Foundation, New York, New York, Alfred P. Sloan Research Fellowship, Department of Physics (C. Jayaprakash), 16 September 1982 through 15 September 1984. (Project 763172 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Application for Young Investigator Research Position Award, College of Pharmacy (J. J. MacKichan), 1 July 1982 through 30 June 1983. (Project 762641 - Continuation)

\$23,870.00 - American Heart Association, Inc., Dallas, Texas, Biochemical and Structural Analysis of Cardiac Z-Line, Department of Veterinary Anatomy (M. Yamaguchi), 1 July 1982 through 30 June 1983. (Project 762325 - Continuation)

\$23,528.00 - Ministry of Education, Taipei, Taiwan, Special Education Training Program, Academic Faculty for Exceptional Children (T. M. Stephens and R. H. Swassing), 1 June 1982 through 30 June 1982. (Project 763132 - New)

\$22,482.00 - Schering Corporation, Kenilworth, New Jersey, A Placebo Controlled Clinical Trial of Sch 19927 Ophthalmic Solutions, 0.5% and 0.25% in Ocular Hypertensives, Department of Ophthalmology (P. A. Weber), 1 July 1982 through 31 October 1982. (Project 763167 - New)

\$21,600.00 - Sterling-Winthrop Research Institute, Rensselaer, New York, Clinical Plan for WIN 47,203 for Canine Congestive Heart Failure, Department of Veterinary Clinical Sciences (J. D. Bonagura), 15 June 1982 through 14 June 1983. (Project 763178 - New)

\$18,993.00 - American Otological Society, Inc., Bronx, New York, Histochemical Ultrastructural and X-Ray Microanalysis, Department of Otolaryngology (D. J. Lim), 1 July 1982 through 30 June 1983. (Project 762789 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$18,927.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (F. A. M. Benson), 1 October 1982 through 30 September 1983. (Project 763174 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Active Changes in the Characteristic Impedance of the Aorta, Department of Physiology (J. P. Dujardin), 1 October 1982 through 30 September 1983. (Project 762706 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Aging and GI Disease on Digoxin Metabolism, College of Pharmacy (R. H. Reuning), 1 October 1982 through 30 September 1983. (Project 763120 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Left Ventricular Energy Balance and Mechanical Efficiency, Department of Physiology (H. P. Pieper), 1 October 1982 through 30 September 1983. (Project 763115 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Lipid Peroxides - Endothelial Injury - Atherosclerosis, Department of Physiological Chemistry (R. V. Panganamala), 1 October 1982 through 30 September 1983. (Project 763157 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Patterns of Isoenzyme Release from Myocardial Cells, Department of Physiological Chemistry (R. A. Altschuld), 1 October 1982 through 30 September 1983. (Project 763136 - New)

\$17,979.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Blood Flow/Enzyme Activity Effects on Antiarrhythmic Kinetics, College of Pharmacy (J. J. MacKichan), 1 July 1982 through 30 June 1983. (Project 762678 - Continuation)

\$15,050.00 - Ohio Wesleyan University, Delaware, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 15 August 1982 through 30 June 1983. (Project 763170 - Continuation)

\$13,300.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (F. A. M. Benson), 1 January 1982 through 30 September 1982. (Project 763179 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$13,000.00 - Smith Kline and French Laboratories, Philadelphia, Pennsylvania, Expansion Clinical Use of "Ridaura" (Auranofin), Department of Medicine (R. L. Whisler), 14 January 1982 through 13 January 1983. (Project 763125 - New)

\$12,352.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Significance of the Site of Ventricular Ectopy, Department of Medicine (T. Bashore), 1 July 1982 through 30 June 1983. (Project 763143 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Coronary Artery Angioplasty, Prostaglandins, and Platelets, Department of Medicine (D. V. Unverferth and R. A. Stine), 1 October 1982 through 30 September 1983. (Project 763142 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Diaphragmatic Physiology in Heart Failure, Department of Medicine (C. V. Leier and G. F. Dixon), 1 July 1982 through 30 June 1983. (Project 763141 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effects of Capsaicin on Total Serum, Myocardial, Aortic and Cerebro-Vascular Cholesterol Levels, Department of Anatomy (J. A. Negulesco), 1 October 1982 through 30 September 1983. (Project 763114 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Quantitative Histology of Human Congestive Cardiomyopathy, Department of Pathology (P. B. Baker) and Department of Medicine (B. J. Unverferth), 1 October 1982 through 30 September 1983. (Project 763135 - New)

\$10,776.00 - Miles Pharmaceuticals, West Haven, Connecticut, Penicillins and Platelet Aggregation, Department of Medicine (R. J. Fass), 1 May 1982 through 30 April 1983. (Project 763181 - New)

\$10,260.00 - Eli Lilly and Company, Indianapolis, Indiana, Research in Infectious Disease, Department of Medicine (R. L. Perkins, R. J. Fass, and J. L. Plouffe), 1 March 1982 through 28 February 1983. (Project 763020 - Continuation)

\$9,750.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Coronary Artery Angioplasty, Prostaglandins, and Platelets, Department of Medicine (D. V. Unverferth and R. A. Stine), 1 July 1982 through 31 December 1982. (Project 763140 - New)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$9,750.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Histologic and Biochemical Correlates of Diastolic Function, Department of Medicine (T. M. Bashore and D. J. Magorien), 1 July 1982 through 31 December 1982. (Project 763147 - New)

\$9,750.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Investigation of Orthostatic Hypotension in Mitral Valve Prolapse Syndrome, Department of Medicine (C. F. Wooley and J. M. Rogers), 1 July 1982 through 31 December 1983. (Project 763139 - New)

\$9,223.00 - Capital University, Columbus, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 1 September 1982 through 30 May 1983. (Project 763168 - Continuation)

\$9,000.00 - Cancer Therapy and Research Center, San Antonio, Texas, Southwest Oncology Group (Subcontract), Department of Medicine (S. P. Balcerzak), 1 January 1982 through 31 December 1982. (Project 763118 - New)

\$8,526.00 - Gravitest, Inc., Boston, Massachusetts, Pregnancy Test Evaluation, Department of Obstetrics and Gynecology (V. C. Stevens), 1 May 1982 through 1 November 1982. (Project 763190 - New)

\$8,494.00 - The Procter and Gamble Company, Cincinnati, Ohio, Effect of Dentifrices on Root Caries, College of Dentistry - Oral Biology (S. Rosen), 1 July 1982 through 31 December 1982. (Project 763150 - New)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Lipoprotein Regulation of Macrophage Antitumor Activity, Department of Microbiology (B. S. Zwilling) and Department of Pathology (H. A. Newman), 1 July 1982 through 30 June 1983. (Project 763169 - New)

\$5,693.33 - Wyeth Laboratories, Philadelphia, Pennsylvania, Oxaprozin Protocol Study, Department of Obstetrics and Gynecology (M. H. Kim), 19 March 1982 through 18 March 1983. (Project 763130 - New)

\$5,000.00 - National Training Fund for the Communications Industry, Washington, D. C., Technical Assistance to the National Training Fund for the Communications Industry, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 28 February 1983. (Project 768050 - Continuation)

\$4,200.00 - General Electric Foundation, Fairfield, Connecticut, Educators in Industry Workshop, Academic Faculty of Special Services (J. V. Wigtil), 1 June 1982 through 31 August 1982. (Project 763074 - New)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$3,707.00 - Chemical Abstracts Service, Division of The American Chemical Society, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. Shulman), 16 June 1982 through 15 August 1982. (Project 762213 - Continuation)

\$2,650.00 - State of Wisconsin, Department of Public Instruction, Madison, Wisconsin, Technical Assistance for the State of Wisconsin Department of Public Instruction, The National Center for Research in Vocational Education (R. E. Taylor), 15 June 1982 through 1 September 1982. (Project 768038 - New)

\$2,176.00 - Veterinary Orthopedic Society, Salt Lake City, Utah, Normal and Abnormal Canine Stifle Motion as Evaluated by an Instrumented Kinematic Chain (Goniometer), Department of Veterinary Clinical Sciences (M. L. Olmstead), 1 June 1982 through 31 May 1983. (Project 763177 - New)

\$2,000.00 - C.S.G. Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 June 1982 through 28 February 1983. (Project 763026 - Continuation)

\$1,600.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Equipment for Industrial and Systems Engineering Computer and Control Laboratory, Department of Industrial and Systems Engineering (R. S. Ahluwalia), 1 May 1982 through 30 April 1983. (Project 763131 - New)

\$1,000.00 - Lewis Clark State College, Lewiston, Idaho, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1971 through 30 June 1982. (Project 761599 - Continuation)

\$500.00 - Greater Columbus Arts Council, Columbus, Ohio, Africa and the West: The Challenge of African Humanism, Department of Romance Languages and Literatures (R. Bjornson) and Department of Black Studies (I. Mowoe), 6 March 1982 through 30 June 1982. (Project 763129 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$2,202,392.82**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$235,677.00 - Ten sponsors for 16 development projects under the direction of five engineering departments and research areas.



September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Establishment of Named Funds**

**The James N. George Fund**

The James N. George Fund was established September 3, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The George Foundation of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be made available for the use of Dr. James N. George, Professor of Medicine at The University of Texas Health Science Center at San Antonio as long as he is an active member of the university faculty. The income would also be available for Dr. George's use should he become an active member of any other university faculty. During that time, the annual income is to be used by Dr. George for research and training in hematology.

When Dr. George retires or, if prior thereto, he indicates no further use for the funds, they will remain with The Ohio State University College of Medicine. The entire fund will then be used to endow a faculty chair in the College of Medicine. The use of the faculty chair shall be left to the discretion of the Dean of the College of Medicine.

**The Mildred S. and Noel F. George Fund**

The Mildred S. and Noel F. George Fund was established September 3, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the Kaplan-Halpert Foundation of Cleveland, Ohio through the generosity of Noel F. George ('32 Law), a trustee of the Foundation, on the occasion of his 50th Anniversary of graduation from the College of Law.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the Library in the College of Law at the discretion of the Dean of the College of Law.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Description of Named Fund**

**The William Ray Flesher Professorship in Educational Administration Fund**

The William Ray Flesher Professorship in Educational Administration Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Marie Adamson Flesher, M.A. '35, Ph.D. '51, in memory of her late husband, William Ray Flesher, M.A. '35, Ph.D. '42, of Little Rock, Arkansas. Both Drs. Flesher served the University with distinction for many years. The name of the fund will be changed to "The William Ray and Marie Adamson Flesher Professorship in Educational Administration" after the demise of Dr. Marie A. Flesher.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the work of a distinguished scholar in the field of educational administration. Appointment to the Flesher Professorship will be recommended by the Dean of the College of Education to the Provost and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for educational administration.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - July 1982

Federal Research Contracts/Grants

\$604,027.00 - Department of Health and Human Services, Public Health Service, Health Services Administration, Bureau of Community Health Services, Maternal and Child Health Training, Rockville, Maryland, Mental Retardation Training, Nisonger Center for Mental Retardation (G. E. Martin), 1 July 1982 through 30 June 1983. (Project 761169 - Continuation)

\$410,503.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Ohio Statewide Cancer Control Support Development Grant, Cancer Research Center (C. J. Cavalaris), 1 July 1982 through 30 June 1983. (Project 761832 - Continuation)

\$190,600.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center Support and Fellowships for Slavic and East European Studies, Department of Slavic and East European Languages and Literatures (L. I. Twarog) and Graduate School - Administration (J. B. LaPidus), 15 August 1982 through 14 August 1983. (Project 762823 - Continuation)

\$162,676.00 - Department of Health and Human Services, Office of Human Development Services, Administration of Developmental Disabilities, Chicago, Illinois, UAF Administration and Operation, Nisonger Center for Mental Retardation (M. J. Guralnick), 30 June 1982 through 29 June 1983. (Project 760751 - Continuation)

\$161,888.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Stress Corrosion Cracking and Oxidation Characteristics of Boride-Strengthened Microcrystalline Iron and Nickel Based Alloys, Department of Metallurgical Engineering (C. E. Mobley), 1 July 1982 through 30 June 1983. (Project 763166 - New)

\$143,312.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center and Fellowships Program - East Asia, University Center for International Studies (J. S. Adams), Department of Anthropology (C. M. Chen), and Graduate School - Administration (J. B. LaPidus), 15 August 1982 through 14 August 1983. (Project 762844 - Continuation)

\$130,031.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., Upward Bound, Office of Minority Affairs (R. T. McDonald), 1 September 1982 through 31 August 1983. (Project 762324 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$129,114.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Rehabilitative Services, Washington, D. C., Training Cost in Physical Medicine and Rehabilitation, Department of Physical Medicine (E. W. Johnson), 1 July 1982 through 30 June 1983. (Project 760750 - New)

\$122,069.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Organelle Transmission Genetics, Department of Genetics (C. W. Birky and P. S. Perlman), 1 August 1982 through 31 July 1983. (Project 760122 - Continuation)

\$110,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D. H. Busch), 1 July 1982 through 30 June 1983. (Project 761501 - Continuation)

\$108,716.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Liposome-Macrophage Activating Factor for Clinical Use, Department of Medicine (J. J. Rinehart and C. Whitacre) and Department of Microbiology (B. Zwilling), 1 July 1982 through 30 June 1983. (Project 763199 - New)

\$106,160.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Special Services Program for Disadvantaged Students, University College - Administration (M. A. Stewart), 1 September 1982 through 31 August 1983. (Project 762867 - Continuation)

\$99,000.00 - National Science Foundation, Washington, D. C., Syntheses and Studies of Selected Metal Carbonyl and Metalloborane Cluster Systems, Department of Chemistry (S. G. Shore), 9 July 1982 through 31 August 1983. (Project 761767 - Continuation)

\$95,109.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Chymotrypsin Deacylation - An In-Depth Study, Department of Chemistry (M. H. Klapper), 1 July 1982 through 30 June 1983. (Project 763200 - New)

\$94,988.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., The Development of a Curriculum for Pediatric Residents in Handicapping Conditions (New Outreach), Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1982 through 30 June 1983. (Project 763194 - New)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$86,990.00 - Department of Education, Office of Higher and Continuing Education, Office of Special Education, Washington, D. C., National Resource Center and Fellowships Program - Near and Middle East, University Center for International Studies (J. S. Adams), Department of History (S. Dale), and Graduate School - Administration (J. B. LaPidus), 15 August 1982 through 14 August 1983. (Project 762845 - Continuation)

\$85,470.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Influence of Nitrogen on the Sensitization, Corrosion, Mechanical and Microstructural Properties of Austenitic Stainless Steels, Department of Metallurgical Engineering (W. A. Clark, D. D. Macdonald, and S. Pednekar), 15 August 1982 through 14 August 1983. (Project 762818 - Continuation)

\$85,026.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Effector Mechanisms in Allergic Encephalomyelitis, Department of Medicine (C. C. Whitacre) and Department of Pathology (A. J. Yates), 1 July 1982 through 30 June 1983. (Project 763206 - New)

\$79,394.00 - Department of the Air Force, Air Force Systems Command, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Development and Use of Anucleated Bacterial Cells to Assay the *in Vivo* Activity of Pollutants, Department of Microbiology (J. N. Reeve), 1 August 1982 through 31 July 1983. (Project 762592 - Continuation)

\$77,568.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Amphetamine, Monoamines and Behavior, College of Pharmacy (N. J. Uretsky), 1 July 1982 through 30 June 1983. (Project 761210 - Continuation)

\$76,095.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Felv Leukemogenesis and Pheneoplastic Lesions, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1982 through 30 June 1983. (Project 762826 - Continuation)

\$75,136.00 - National Science Foundation, Washington, D. C., Dynamics and Control of Kinematically Redundant Robotic and Biological Systems, Department of Mechanical Engineering (N. Berne) and Department of Electrical Engineering (C. A. Klein, S. Koozekanani, and R. B. McGhee), 15 July 1982 through 14 July 1983. (Project 763208 - New)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$72,794.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthetic Elaboration of Polyquinane Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1982 through 30 June 1983. (Project 762298 - Continuation)

\$68,200.00 - National Science Foundation, Washington, D. C., Low Temperature Electronic Properties of Conducting Solids, Department of Physics (J. C. Garland), 1 July 1982 through 30 June 1983. (Project 762691 - Continuation)

\$65,000.00 - National Science Foundation, Washington, D. C., Gaseous and Aqueous Corrosion of Ceramics, Department of Ceramic Engineering (D. W. Readey) 1 July 1982 through 30 June 1983. (Project 762751 - Continuation)

\$64,721.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Studies of Seminal Plasma Immune Response Inhibitor, Department of Medical Microbiology and Immunology (C. Prakash), 1 May 1982 through 30 April 1983. (Project 762167 - Continuation)

\$62,609.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Graduate Training in Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1982 through 30 June 1983. (Project 760708 - Continuation)

\$61,000.00 - National Science Foundation, Washington, D. C., A Resonance Study of Molecular and Atomic Excitations in the Solid Hydrogens, Department of Physics (J. R. Gaines), 1 July 1982 through 30 June 1983. (Project 762786 - Continuation)

\$59,416.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Associated Health Professions, Hyattsville, Maryland, Graduate Programs in Health Administration, School of Allied Medical Professions (S. F. Loebs), 1 October 1982 through 30 September 1983. (Project 761329 - Continuation)

\$58,466.00 - National Science Foundation, Washington, D. C., The Utilization of Electrochemical Reactions and Electrochemically Derived Products in Organic Synthesis, Department of Chemistry (J. S. Swenton), 1 September 1982 through 31 August 1983. (Project 762305 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$57,757.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Division of Nursing, Hyattsville, Maryland, Professional Nurse Traineeship Program, School of Nursing (E. L. Fritz), 1 July 1982 through 30 June 1983. (Project 760803 - Continuation)

\$51,212.00 - National Science Foundation, Washington, D. C., Maintenance of the *Bacillus* Genetic Stock Center, Department of Microbiology (D. H. Dean), 1 August 1980 through 31 July 1983. (Project 762225 - Continuation)

\$50,482.00 - National Science Foundation, Washington, D. C., Ultrastructure of Fossil Pollen and Spores, Department of Botany (T. N. Taylor), 1 October 1982 through 30 September 1983. (Project 762215 - Continuation)

\$45,664.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of Low Cost Filler Materials for Welding High Strength Steels, Department of Welding Engineering (D. G. Howden), 1 January 1982 through 31 August 1982. (Project 762890 - Continuation)

\$44,195.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Ontogeny and Plasticity of Identified Spinal Systems, Department of Anatomy (R. H. Ho), 1 July 1982 through 30 June 1983. (Project 763196 - New)

\$42,024.00 - Department of Education, Office of Education Research and Improvements, Fund for the Improvement of Postsecondary Education, Washington, D. C., Cooperative On-Site Instruction Program for Columbus Business and Industry, Office of Academic Affairs, Continuing Education Administration (A. E. Adams and M. M. Garland), 1 September 1982 through 31 August 1983. (Project 762861 - Continuation)

\$39,771.00 - National Science Foundation, Washington, D. C., Information Aspects of the Adoption and Diffusion of an Innovation, Department of Economics (R. A. Jensen), 1 July 1982 through 30 September 1983. (Project 763204 - New)

\$38,000.00 - Department of the Army, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, Mapping and Response of Soils and Landforms to Environmental Stresses in Northern Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 19 July 1982 through 18 July 1983. (Project 762749 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$36,302.00 - National Science Foundation, Washington, D. C., Exploration of Radical Addition Reactions in the Synthesis of Complex Molecules, Department of Chemistry (D. J. Hart), 1 September 1982 through 31 August 1983. (Project 763219 - New)

\$35,893.00 - National Science Foundation, Washington, D. C., Collaborative Research on a Monographic Study of the Genus *Coreopsis* (Compositae), Department of Botany (D. J. Crawford), 15 August 1982 through 14 August 1983. (Project 762328 - Continuation)

\$30,573.00 - Department of Education, Office of Postsecondary Education, Office of International Education, Washington, D. C., Materials for an Individualized Course in Polish, Department of Slavic and East European Languages and Literatures (J. R. Krzyzanowski), 1 July 1982 through 31 January 1983. (Project 763205 - New)

\$29,911.00 - National Science Foundation, Washington, D. C., EEA, A Differentiation Enhancing Factor in *Acanthamoeba*: Characterization, Synthesis, and Fate, Department of Microbiology (T. J. Byers), 1 August 1980 through 31 July 1983. (Project 762309 - Continuation)

\$27,700.00 - National Science Foundation, Washington, D. C., Geometric Topology and Homotopy Theory, Department of Mathematics (D. Burghlea and J. A. Neisendorfer), 1 July 1982 through 30 June 1983. (Project 762777 - Continuation)

\$26,500.00 - National Science Foundation, Washington, D. C., Investigations into the Necessary Use of Abstract Set Theory and Constructive Aspects of Algebra, Department of Mathematics (H. M. Friedman and R. L. Smith), 1 July 1982 through 30 June 1983. (Project 762750 - Continuation)

\$23,996.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies of the Distribution, Disposition and Metabolism of Antineoplastic Agents, College of Pharmacy (L. Malspeis), 15 June 1982 through 14 September 1982. (Project 761876 - Continuation)

\$19,500.00 - National Science Foundation, Washington, D. C., United States-Federal Republic of Germany Workshop on Research and Development to New Procedures in Nondestructive Testing, Department of Welding Engineering (L. Adler), 15 July 1982 through 31 December 1982. (Project 763217 - New)

\$19,104.00 - National Science Foundation, Washington, D. C., Cooperative Research Program in Nuclear Astrophysics and Time Reversal Invariance in Proton Elastic Scattering, Department of Physics (T. R. Donoghue), 15 July 1982 through 31 July 1984. (Project 763220 - New)



September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$12,981.00 - Department of the Army, Ballistics Missile Defense Systems Command, Huntsville, Alabama, Research on Fast Semiconductor Infrared Optical Spatial Light Modulators, Department of Electrical Engineering (M. O. Thurston) and Department of Electrical Engineering, ElectroScience Laboratory (S. A. Collins), 1 October 1980 through 30 June 1981. (Project 762090 - Continuation)

\$12,000.00 - National Science Foundation, Washington, D. C., Chemistry of Metal-Carbon Sigma Bonds, Department of Chemistry (A. A. Wojcicki), 1 July 1982 through 31 December 1982. (Project 761787 - Continuation)

\$11,572.00 - Department of the Interior, Geological Survey, Reston, Virginia, Analysis and Evaluation of Water Quality Data in the Ohio River Basin, Department of Civil Engineering (E. E. Whitlatch and R. M. Sykes), 1 June 1982 through 30 September 1982. (Project 762051 - Continuation)

\$8,490.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Construction of Vehicle Tracking-Phase II, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda), 1 July 1982 through 30 September 1982. (Project 763034 - Continuation)

\$8,357.00 - Environmental Protection Agency, Chicago, Illinois, Phosphorus Fertility Management Demonstration Project for Defiance Area Soils High in Available Phosphate, Cooperative Extension Service - State Operations (T. L. Jones and M. E. Kroetz) and Department of Agronomy (T. J. Logan), 1 July 1982 through 30 June 1984. (Project 763213 - New)

\$5,115.00 - National Science Foundation, Washington, D. C., Systematics of *Liatrix* (Compositae), Series *Graminifoliae*, Department of Botany (D. J. Crawford), 15 August 1982 through 31 July 1984. (Project 763212 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$4,423,177.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$173,092.00 - Central Soya, Fort Wayne, Indiana, Potential Prophylactic Dietary Role of Lecithin in Repressing Age-Related Changes in Behavior, Neuroanatomy, and Neurochemistry: An Integrated Multidisciplinary Study in the Aging Mouse, Department of Pathology (R. F. Mervis), Department of Physiological Chemistry (L. A. Horrocks), Department of Psychology (D. R. Meyer), and College of Pharmacy (L. J. Wallace), 1 July 1982 through 30 September 1983. (Project 763203 - New)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$166,100.00 - World Health Organization, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1982 through 30 June 1983. (Project 760113 - Continuation)

\$128,045.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Early Childhood Classes, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 September 1982 through 30 August 1983. (Project 763218 - Continuation)

\$118,714.00 - Hannah Neil Center for Children, Columbus, Ohio, Implementing Behavioral Treatment Activities: A Joint Exceptional Children/Physical Education Internship, School of Health, Physical Education and Recreation (C. L. Mand) and Academic Faculty of Exceptional Children (J. O. Cooper), 1 July 1982 through 30 June 1983. (Project 763153 - Continuation)

\$68,534.00 - Pennwalt Corporation, Rochester, New York, Insect Cell Culture, Department of Entomology (W. F. Hink), 1 May 1982 through 30 April 1983. (Project 762159 - Continuation)

\$63,620.00 - A. H. Robins Company, Richmond, Virginia, Guaifenesin (AHR-9659) Intravenous Toxicity Study in Horses, Department of Veterinary Clinical Sciences and Department of Veterinary Physiology and Pharmacology (W. W. Muir, III), 15 August 1982 through 15 February 1983. (Project 763193 - New)

\$48,000.00 - Gas Research Institute, Chicago, Illinois, Limitations on the Efficiency of the Solar Photoreduction of Carbon, Department of Biochemistry (R. T. Ross), 1 June 1982 through 31 December 1982. (Project 763124 - New)

\$46,963.00 - Adria Laboratories, Columbus, Ohio, Investigation of the Microbiological Modification of Anthracycline, Department of Microbiology (W. R. Strohl), 1 July 1982 through 30 June 1983. (Project 762765 - Continuation)

\$41,000.00 - Transamerica Delaval, Inc., Trenton, New Jersey, Electrochemical Reactivity and Stress Corrosion Cracking of Turbine Disc Alloys, Department of Metallurgical Engineering (D. D. Macdonald), 1 July 1982 through 31 December 1982. (Project 761965 - Continuation)

\$37,913.00 - Defiance Soil and Water Conservation District, Defiance, Ohio, Evaluation of Crop Production Effects and Soil and Nutrient Losses from Lake Plain Soils with Conservation Tillage Management, Department of Agronomy (T. J. Logan), 1 August 1982 through 31 July 1984. (Project 762509 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$34,524.26 - E. I. duPont, Wilmington, Delaware, Rising Dose Tolerance and Pharmacokinetic Study with Single Doses of EN 212 (32 mg. 48 mg. 64 mg.) (M-10), Department of Pharmacology (J. R. Bianchine), 1 March 1982 through Indefinite. (Project 763104 - Continuation)

\$30,000.00 - American Cancer Society, Inc., New York, New York, American Cancer Society Institutional Research Grant, Cancer Research Center (D. S. Yohn), 1 July 1982 through 30 June 1983. (Project 764472 - Continuation)

\$25,834.61 - Pfizer, Inc., Groton, Connecticut, Phase I Two-Part Escalating Single Blind Placebo Controlled Randomized Toleration and Open Randomized Bioavailability Study of an Oral Formulation of Levonantradol (CP-50, 556) in Normal Volunteers (61-2), Department of Pharmacology (J. R. Bianchine), 1 March 1982 through Indefinite. (Project 763104 - Continuation)

\$23,361.80 - American Egg Board, Park Ridge, Illinois, Hypercholesterolemia-Vitamin E-Thromboxane-Prostacyclin-Balance, Department of Physiological Chemistry (R. V. Panganamala), 1 July 1982 through 30 June 1983. (Project 763198 - New)

\$18,334.01 - Riker Laboratories, Inc., St. Paul, Minnesota, Comparative Absorption of a Single Dose of Norgescic Forte and of Orphenadrine Ditrates/Aspirin Solution and Comparison of Salicylic Acid Levels Following Multiple Oral Doses of Norgescic Forte and of Aspirin, Department of Pharmacology (J. R. Bianchine), 1 March 1982 through Indefinite. (Project 763104 - Continuation)

\$15,026.00 - Xenia City Schools, Xenia, Ohio, A Proposed Educational Facility Plan for the Xenia, Ohio, City School District Developed in Concert with a Citizens' Facility Committee, Academic Faculty of Educational Administration (L. H. Wagstaff), 30 June 1982 through 31 July 1983. (Project 763201 - New)

\$14,480.00 - National Cash Register, NCR Central Technical Education Center, Miamisburg, Ohio, Development of a Criterion Referenced Training Course, Academic Faculty of Vocational-Technical Education (A. J. Miller), 15 June 1982 through 1 September 1982. (Project 763215 - Continuation)

\$10,975.00 - American Academy of Physician Assistants, Arlington, Virginia, Physician Assistant Self-Assessment, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 July 1982 through 30 September 1982. (Project 763054 - Continuation)

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$10,000.00 - American Chemical Society, The Petroleum Research Fund, Washington, D. C., Carbon Monoxide Activation by Organoactinide Complexes: A Molecular Orbital Investigation, Department of Chemistry (B. E. Bursten), 1 June 1982 through 31 August 1984. (Project 763195 - New)

\$9,981.00 - Eli Lilly and Company, Indianapolis, Indiana, Evaluation of DNA Repair Enhancement by "Night Repair, Cell Recovery Complex," Departments of Radiology and Pharmacology and College of Medicine - Administration (S. M. D'Ambrosio), 15 July 1982 through 15 October 1982. (Project 763211 - New)

\$7,465.00 - Washington State Commission for Vocational Education, Olympia, Washington, An On-Site Evaluation of the Washington Research Coordination Unit, The National Center for Research in Vocational Education (R. E. Taylor), 15 July 1982 through 30 December 1982. (Project 763210 - New)

\$6,269.00 - University of Cincinnati, Cincinnati, Ohio, Area Health Education Centers (AHEC), College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1981 through 30 September 1982. (Project 762889 - Continuation)

\$5,198.00 - Ohio Dominican College, Columbus, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 1 September 1982 through 30 May 1983. (Project 763197 - Continuation)

\$2,500.00 - Central Ohio Kidney Foundation, Columbus, Ohio, Characterization of Familial Renal Amyloidosis in Abyssinian Cats, Department of Veterinary Clinical Sciences (S. P. DiBartola, D. J. Chew, and J. T. Boyce), 1 July 1982 through 30 June 1983. (Project 763214 - New)

\$2,000.00 - Olympia Technical Community College, Olympia, Washington, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 30 June 1983. (Project 763137 - Continuation)

\$1,820.00 - Northern Arizona University, Flagstaff, Arizona, Technical Assistance for the Northern Arizona University, The National Center for Research in Vocational Education (R. E. Taylor), 21 July 1982 through 30 September 1982. (Project 768040 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,109,749.68**

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research**

\$74,025.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for "Evaluation of Delineation Treatments: A Preliminary Study," Transplex, July 1, 1982 through July 14, 1983. (EES 529627)

\$62,773.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for "Research in Analytical Photogrammetry in Application to Transportation Surveys," Transplex, July 1, 1982 through June 30, 1983. (EES 529625, Extension 1)

\$54,940.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for "Evaluation of Sulfur-Asphalt Paving Mixtures in Ohio: A Laboratory and Field Investigation," Transplex, May 1982 through July 31, 1983. (EES 529070, Extension 4)

**TOTAL - STATE SPONSORED RESEARCH** **\$191,738.00**

**Industrial and Other Sponsored Research and Development**

\$280,509.00 - Fifty sponsors for 55 development projects under the direction of six engineering departments and research areas.

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contracts/Grants**

\$60,000.00 - U. S. Department of Agriculture, Agricultural Research Service, Peoria, Illinois, continued support of a study on influence of flooding on corn cultivar growth and development, Department of Agronomy, to June 30, 1984. (Contract No. 58-519-B-1-1109)

\$7,000.00 - Grants Administration Management Office, Science and Education Administration, U. S. Department of Agriculture, North Central Region Pesticide Impact Assessment Program, Washington, D. C., support of a study on applicator and follow-up worker exposure to selected pesticides after high- and low-volume applications in greenhouses, Departments of Entomology and Plant Pathology, April 1, 1982 to March 31, 1983.

\$2,000.00 - National Park Service RMRO, Denver, Colorado, support of a study on forest responses to anthropogenic stress in the Cuyahoga Valley National Recreation Area, Laboratory for Environmental Studies, July 15 to December 31, 1982. (Contract No. P. O. PX 2000-2-0874)

**TOTAL - FEDERAL CONTRACTS/GRANTS** **\$ 69,000.00**

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Industrial Contract/Grant

\$18,000.00 - Ross Laboratories, Columbus, Ohio, support of a study on protection of germfree pigs against a heterologous strain of *E. coli* by "immune" bovine colostrum, Department of Veterinary Science, April 1, 1982 to March 31, 1983.

Gifts

\$13,700 from FMC Corporation, Princeton, New Jersey  
\$ 7,000 from Ohio Pork Producers Council, Westerville, Ohio  
\$ 6,000 from Domain, Inc., New Richmond, Wisconsin  
\$ 6,000 from Ohio Foundation Seeds, Inc., Croton, Ohio  
\$ 5,400 from Hybrid Turkeys Ltd., Kitchener, Ontario, Canada

TOTAL - GIFTS \$ 38,100.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$192,462.00 Kaplan Halpert Foundation, Inc., Columbus, Ohio, for Jack M. George Fund.

\$ 54,111.88 Louise Orr Scott Foundation, Columbus, Ohio: \$40,583.91 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$13,527.97 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$ 34,498.82 Systems Associates, Columbus, Ohio, for Cardiology Support Fund.

\$ 30,000.00 Ohio Seed Improvement, Dublin, Ohio, for Special Events.

\$ 27,357.72 University Eye Surgeon, Inc., Columbus, Ohio, for Eye Bank Fund.

\$ 20,877.48 Seward Schooler, Coshocton, Ohio: \$15,000.00 for Reese Arthritis Research Fund; \$3,750.00 for Presidents Club Special Fund; \$1,000.00 for OSU National Merit Scholarship Fund; \$1,000.00 for Student Athlete Grant-in-Aid Fund; \$127.48 for Special Projects Fund.

\$ 19,922.25 Sisa, Inc., Cambridge, Massachusetts, for Pharmacology Development Fund.

\$ 19,611.70 Retinal Consultants, Columbus, Ohio: \$17,092.97 for Retina Research Fund and \$2,518.73 for Ophthalmology Photography Fund.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$ 18,000.00 American Society Hospital Pharmacists Research and Education Foundation, Bethesda, Maryland, for Critical Care Fellowship.
- \$ 16,671.88 William Havener, Columbus, Ohio, for Ophthalmology Teaching Fund.
- \$ 16,200.00 Dow Chemical USA, Midland, Michigan: \$7,000.00 for Soil Fertility Research; \$5,000.00 for Dow Lecture Program; \$3,000.00 for Dow Research Fellowship Fund; \$1,200.00 for Soy Bean Production.
- \$ 15,000.00 Huntington National Bank, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 15,000.00 Porter, Wright, Morris & Arthur, Columbus, Ohio, for Joseph S. Platt-Porter, Wright, Morris and Arthur Fund.
- \$ 14,400.00 Trust Under the Will of Anna Roessler, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.
- \$ 10,000.00 Michaels Finer Meats, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 9,300.00 Union Carbide, New York, New York: \$6,000.00 for Agronomy Weed Research Fund; \$3,000.00 for Professorship in Plant Protection; \$300.00 for Horticulture Weed Control Research Fund.
- \$ 8,240.00 Standard Oil Company, Cleveland, Ohio: \$7,500.00 for Agriculture Research Fund; \$340.00 for Student Athlete Grant-in-Aid Fund; \$200.00 for Cancer Research Center; \$150.00 for undesig-nated purposes; \$50.00 for Friends of the Libraries.
- \$ 7,675.00 Sterling Drug, New York, New York, for Reye's Syndrome.
- \$ 7,500.00 Steers, Needham Harper, New York, New York, for WOSU Sup-port Fund.
- \$ 7,104.01 Robert Ewing, Monroe, Michigan, for College of Medicine Progress Fund.
- \$ 7,000.00 Oncology, Inc., Columbus, Ohio, for Cancer Research - Dr. Minton.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 7,000.00 Rohm & Haas Company, Philadelphia, Pennsylvania, for Rohm & Haas Chemistry Fund.
- \$ 6,034.00 Donald Shackelford, Gahanna, Ohio: \$1,667.00 for College of Medicine Progress Fund; \$1,667.00 for Tzagournis Research Fund; \$1,666.00 for Faculty Seminar-Medicine; \$1,000.00 for Student Athlete Grant-in-Aid Fund; \$34.00 for Friends-Special Events.
- \$ 6,000.00 Duriron Company, Inc., Dayton, Ohio, for Mars G. Fontana Endowment Fund.
- \$ 5,800.31 Ford Motor Company Fund, Dearborn, Michigan: \$3,500.00 for Presidents Club Special Fund; \$1,045.31 for College of Administrative Science Fund; \$600.00 for undesignated purposes; \$200.00 for Engineering College Special Fund; \$160.00 for Glenn W. McCuen Scholarship; \$100.00 for Ag-Econ Fund; \$100.00 for Women Engineers; \$50.00 for Agriculture Engineering Support Fund; \$35.00 for Friends of Orton Hall; \$10.00 for Student Athlete Grant-in-Aid Fund.
- \$ 5,495.07 Lions Eye Research, Columbus, Ohio, for Lions Club Blind Research.
- \$ 5,046.83 Paul A. Weber, M.D., Inc., Columbus, Ohio, for Glaucoma Research Fund.
- \$ 5,000.00 Grand Aerie, Eagles Fraternal Order, Columbus, Ohio, for Eagles Fund-Cardiology.
- \$ 5,000.00 Charlotte Huck, Columbus, Ohio, for Education 75th Anniversary Campaign.
- \$ 5,000.00 Mid America Community Hospital Association, for College of Medicine Progress Fund.
- \$ 5,000.00 Estate of Donald Power, Galloway, Ohio, for Tzagournis Research Fund.
- \$ 5,000.00 Webster Foundation, Inc., Tiffin, Pennsylvania, for Cullman Business Policy Fund.



September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts-in-Kind

\$349,000.00	Battelle Memorial Institute Columbus, Ohio	Subsonic Wind Tunnel
\$ 80,000.00	Ralston Purina St. Louis, Missouri	Electronic Automatic Dispersive Spectrometer
\$ 27,200.00	John Du Pont Newton Square, Pennsylvania	A large folio of original Milton Caniff drawings
\$ 23,095.00	Toledo Scale Company Westerville, Ohio	Computer equipment
\$ 18,000.00	Design, Inc., Advance Electronics Sunnyvale, California	Computer graphics display hardware
\$ 11,330.00	Sheila Oscar Chicago, Illinois	Nine antique maps
\$ 9,000.00	David Evans Salt Lake City, Utah	PS300 Evans & Sutherland Computer Graphics System
\$ 7,446.00	Clyde Cooper Columbus, Ohio	438 glass mounted slides of parasites; 302 slides of mounted specimens of parasite helminths; 6,600 specimens of camallanus oxycephalus

Establishment of Named Funds

**The James W. Overstreet Chair in Cardiology Fund**

The James W. Overstreet Chair in Cardiology Fund was established September 3, 1982, by the Board of Trustees of The Ohio State University with grants to The Ohio State University Development Fund from the James W. Overstreet Fund of The Columbus Foundation, Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide salary and program support for the work of a distinguished cardiologist. Appointment to the Overstreet Chair will be recommended by the Dean of the College of Medicine after consultation with Dr. Joseph M. Ryan while on the regular faculty, and approved by the Vice President for Health Services, the President, and the Board of Trustees.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The James W. Overstreet Chair in Cardiology Fund (contd)**

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for cardiovascular medicine.

**The Paissiy Endowed Professorship in Bulgarian Civilization and Culture**

The Paissiy Endowed Professorship in Bulgarian Civilization and Culture was established September 3, 1982, by the Board of Trustees with a gift to The Ohio State University Development Fund from the Ministry of Education of the People's Republic of Bulgaria. The Professorship is named in honor of the outstanding scholar of the Bulgarian Renaissance--Paissiy Hilendarski/Paissiy of Hilandar.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The appointment shall be in the Department of Slavic and East European Languages and Literatures in accordance with the rules and procedures of the College of Humanities of The Ohio State University and in keeping with the Agreement between the Ministry of Education of the People's Republic of Bulgaria and The Ohio State University signed in Sofia, Bulgaria, on May 4, 1982 by Leon I. Twarog, Chairman, Department of Slavic and East European Languages and Literatures (for The Ohio State University), and Panka Babukova, First Vice Minister of Education (for the Ministry of Education of the People's Republic of Bulgaria). The Agreement was endorsed by Richard D. Jackson, Vice President for Business and Finance, on June 4, 1982, as the official university signer.

Should the need for this fund cease to exist or so diminish as to provide unused income, the terms of the original agreement may be changed by mutual agreement of the two sides as stipulated in Item 12 of the Agreement.

**The John Scott and Della Errington Memorial Scholarship Fund**

The John Scott and Della Errington Memorial Scholarship Fund was established September 3, 1982, by the Board of Trustees with gifts to The Ohio State University Development Fund from Thomas H. Hisrich, J.D. '66, in memory of John Scott and Della Errington, Tippecanoe, Ohio.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The John Scott and Della Errington Memorial Scholarship Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for College of Agriculture and Home Economics students who are residents of Tuscarawas County. Two-thirds of the annual income is to benefit students in the Department of Animal Science. One-third of the annual income is to benefit students in the Department of Human Nutrition and Food Management. The selection of the recipient(s) is to be made upon the recommendation of the University Scholarship Committee in cooperation with the Dean of the College of Agriculture and Home Economics and the Director of the School of Home Economics.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for agricultural and home economics education.

**The Alga D. "Peg" Weaver Honor Scholarship in Home Economics**

The Alga D. "Peg" Weaver Honor Scholarship in Home Economics was established September 3, 1982, by the Board of Trustees of The Ohio State University with gifts to the Development Fund from Alga D. "Peg" Weaver, her family and friends.

All gifts are to be invested in the University's Permanent Endowment Fund under rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income will be used to support undergraduate honor scholarships for students enrolling in education programs administered by the School of Home Economics. Scholarships will be awarded by the Office of Student Financial Aids based upon recommendations of the Honors Committee within the School of Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given from the recommendations of the Director of the School of Home Economics or from the appropriate administrative official of the University who is then responsible for study related to the field of home economics.

September 3, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Stanley W. Joehlin Award in Agricultural Engineering**

The Stanley W. Joehlin Award in Agricultural Engineering was established September 3, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Stanley W. Joehlin, B.S.Agr.E. '60 and M.S. '60.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide an award to one or more graduate students who have interest in improving the quality of resident instruction in agricultural engineering. The award(s) is to be restricted to a U. S. citizen. If no student is considered eligible, the award need not be presented. The determination of the type and amount of award(s) to be administered annually shall be made by a committee composed of a representative of the donor, the Chairman of Agricultural Engineering, and one other Agricultural Engineering Department Faculty Member acceptable to the donor and chairman. The selection of the recipient(s) is to be made by a committee composed of the Chairman of the Department of Agricultural Engineering and two other faculty members of that department.

Should the need for these scholarships and fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the Department of Agricultural Engineering.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-23

*Synopsis: Approval of plans and specifications for the following project is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President has recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**FONTANA LABORATORY - EXTERIOR MASONRY REPAIRS**

- Project: Remove all sealant from all masonry openings and reseal with an elastomeric sealant.
- Funding: Local, Contract Repair, 1982-83
- Estimated Project Cost: \$24,000.00

September 3, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**FONTANA LABORATORY - EXTERIOR MASONRY REPAIRS (contd)**

**NOW THEREFORE**

**BE IT RESOLVED**, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

**BE IT FURTHER RESOLVED**, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-24

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

**WHEREAS** resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**ENERGY MODIFICATIONS - PRINTING FACILITY (ECM 5)**

Description: Energy conservation measures consisting of air volume reduction, HVAC control revisions, variable air volume conversion and vestibule for the main entrance to the Printing Facility. This project is a continuation of energy conservation at The Ohio State University and will result in a payback of expenditures in two years, eleven months.

**Mechanical Contract**

Date Received: July 28, 1982

No. of Bids: 4

September 3, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENERGY MODIFICATIONS - PRINTING FACILITY (ECM 5) (contd)**

**Mechanical Contract (contd)**

Low Bid:	\$ 87,900.00*
High Bid:	\$ 92,200.00*
Estimate of Cost:	\$ 91,000.00*
Awarded to:	Limbach Company
Total Contract:	\$ 87,900.00
Total Contingency Allowance:	\$ 3,496.12
Total Project Cost:	\$105,770.00
Funding:	Local University Funds and Federal Grant

**MANSFIELD CAMPUS  
REPAIR OF WEST CAMPUS ACCESS DRIVE**

Description: Restore deteriorated roadway to a functional pavement by reinforcing the weak base sections, resloping, modifying drainage and resurfacing the west access road to the Mansfield Campus from Lexington Springmill Road.

**General Contract**

Date Received:	July 13, 1982
No. of Bids:	3
Low Bid:	\$31,482.80
High Bid:	\$37,812.50
Estimate of Cost:	\$31,900.00
Awarded to:	Mansfield Asphalt & Paving
Total Contract:	\$31,482.80
Total Contingency Allowance:	\$ 1,978.42 which is 6 per cent of construction contracts
Total Project Cost:	\$42,900.00
Funding:	Amended Substitute House Bill 552 (Branch Campuses Utilities and Renovations)

\*Recommended alternate reflected in these figures.

September 3, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PURCHASE OF PROPERTY - OCLC FACILITIES  
1125 KINNEAR ROAD, COLUMBUS, OHIO**

Resolution No. 83-25

*Synopsis: Authorization to purchase property at 1125 Kinnear Road, Columbus, Ohio, is requested.*

WHEREAS the County Commissioners of Franklin County own property at 1125 Kinnear Road in Columbus, Ohio, consisting of approximately six acres with five commercial and office buildings having a total of approximately 80,204 gross square feet, which property has been operated by OCLC, Inc.; and

WHEREAS this property has been appraised at values of \$3,200,000.00 and \$3,300,000.00; and

WHEREAS the University has been presented with the opportunity to purchase this property for \$3,050,000.00; and

WHEREAS the University has a need for expanded space for University computing operations and the appropriate University offices have determined that these facilities can be utilized to meet this need and that the purchase of this property is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to purchase, in the name of the State of Ohio for the use of The Ohio State University, the OCLC facilities at 1125 Kinnear Road at a price of \$3,050,000.00 and upon such terms and conditions as are deemed to be in the best interest of the University.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 3, 1982 meeting, Board of Trustees

**SALE OF PROPERTY - 116.2 ACRES (HENDERSON FARM)  
PLEASANT TOWNSHIP, FRANKLIN COUNTY, OHIO**

Resolution No. 83-26

*Synopsis: Sale of the University's interest in the remaining 116.2 acres of the Henderson Farm in Pleasant Township of Franklin County is proposed.*

WHEREAS pursuant to the Last Will and Testament of Dr. Roger C. Henderson, this Board acquired an undivided one-half interest in a 227.7 acre tract of real property known as the Henderson Farm located in Pleasant Township, Franklin County, Ohio, which real property is more particularly described in the Certificate of Transfer issued by the Greene County, Ohio, Probate Court on February 24, 1981, and recorded in Official Records Volume 626, pages C09 through C11, both inclusive, Recorder's Office, Franklin County, Ohio; and

WHEREAS on March 2, 1981, Margery W. Henderson, as grantor, and the Treasurer of The Ohio State University, as Trustee, entered into a Charitable Remainder Annuity Trust Agreement pursuant to which Margery W. Henderson gave, assigned, and conveyed to the Treasurer the remaining undivided one-half interest in the Henderson Farm (together with other personal property described in the Trust Agreement); and

WHEREAS pursuant to previous authorization from this Board, the Board of Park Commissioners of the Columbus and Franklin County Metropolitan Park District has purchased a 111.5 acre portion of the Henderson Farm for \$228,591.40; and

WHEREAS the Board of Park Commissioners has submitted an offer to purchase the remaining 116.2 acre portion of the Henderson Farm for \$255,600.00 (\$2,200 per acre); and

WHEREAS it is the desire of this Board to accept the offer of the Board of Park Commissioners and sell all of this Board's right, title, and interest in and to the 116.2 acre portion to the Board of Park Commissioners; and

WHEREAS the Treasurer, as Trustee, has agreed to this sale and authorized the University to proceed on his behalf; and

WHEREAS the University and the Treasurer, as Trustee, are in mutual agreement as to the selling price:

**NOW THEREFORE**

**BE IT RESOLVED**, That the President and/or Vice President for Business and Finance be authorized to sell, in the name of the Board of Trustees of The Ohio State University, all of the University's right, title, and interest in and to the remaining 116.2 acre portion of the Henderson Farm to the Board of Park Commissioners of the Columbus and Franklin County Metropolitan Park District.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 3, 1982 meeting, Board of Trustees

**EASEMENT - OHIO BELL TELEPHONE COMPANY  
POMERENE FOREST LABORATORY, COSHOCTON COUNTY, OHIO**

Resolution No. 83-27

*Synopsis: Authorization to grant an easement to the Ohio Bell Telephone Company is requested.*

WHEREAS the Ohio Bell Telephone Company has requested an easement across approximately 1,462 feet of Ohio Agricultural Research and Development Center land located at the Pomerene Forest Laboratory in Coshocton County to permit them to lay a buried telephone cable so that they can furnish service to OARDC and areas surrounding OARDC property; and

WHEREAS this line will be located so as not to interfere with any OARDC operations and will result in the removal of existing poles; and

WHEREAS the Ohio Bell Telephone Company will pay the University \$5.00 per lineal rod (approximately \$443.00) for this easement; and

WHEREAS the appropriate University agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for this easement.

President Jennings:

The Committee also heard a recommendation to grant an easement to the Ohio Bell Telephone Company in the Pomerene Forest Laboratory, Coshocton County, Ohio, recommended that the Vice President for Business and Finance be authorized to complete that transaction. It is recommended for your approval, and I am requesting that the record reflect that the President of the University was not involved in any of the decisions regarding that issue.

The motion was made by Mr. Havens and seconded by Mr. Hilliker.

Mr. Smith: Any questions?

Mr. Scott:

Mr. Chairman, the President has recommended that the words as noted in this resolution be amended to read:

September 3, 1982 meeting, Board of Trustees

**EASEMENT - OHIO BELL TELEPHONE COMPANY  
POMERENE LABORATORY, COSHOCTON COUNTY, OHIO (contd)**

Mr. Scott: (contd)

That the Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for this easement.

Upon motion of Mr. Havens, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution as amended by unanimous roll call vote.

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**EASEMENT - VILLAGE OF DUBLIN  
EITERMAN ROAD, FRANKLIN COUNTY, OHIO**

Resolution No. 83-28

*Synopsis: Authorization to grant an easement to the Village of Dublin is requested.*

WHEREAS the Village of Dublin has requested an easement approximately 752 feet in length across University land on Eiterman Road in Franklin County to permit them to extend a sanitary sewer line; and

WHEREAS the Village of Dublin will pay the University \$375.00 for this easement and grant the University tap rights at three locations on the sewer line; and

WHEREAS the appropriate University agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to develop the legal instruments necessary to finalize this easement upon terms and conditions mutually agreeable to the University and the Village of Dublin.

Upon motion of Dr. Jacob, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 3, 1982 meeting, Board of Trustees

**LEASE OF ANTENNA AND BUILDING SPACE  
TO COMMERCIAL RADIO INSTITUTE, INC.**

Resolution No. 83-29

*Synopsis: Authorization to lease antenna and building space to Commercial Radio Institute, Inc., is requested.*

WHEREAS the Board of Trustees of The Ohio State University owns a 46-acre site at 6680 State Route 3 in Westerville, Ohio, on which site is located the transmitter facility and antenna tower for WOSU-TV; and

WHEREAS WOSU-TV plans to acquire a new transmitter in 1984-85 and to avoid interruption in service will construct, with non-appropriated funds, a new building in which to house the transmitter; and

WHEREAS Commercial Radio Institute, Inc. (CRI), of Baltimore, Maryland, has obtained from the Federal Communications Commission a license to operate an independent commercial television station, WTTE-TV, on Channel 28 and plans to go on the air in Columbus in the spring of 1983; and

WHEREAS CRI desires to lease antenna space on the WOSU-TV tower and to lease space on the site to house their transmitter; and

WHEREAS it would be mutually advantageous to WOSU-TV and WTTE-TV to have their facilities located together; and

WHEREAS the appropriate University offices have recommended that a new building be constructed to house WOSU-TV's replacement transmitter and that space in this building be leased to CRI for their transmitter, with the rent to include an appropriate return to the Endowment, and that antenna space on the WOSU-TV tower be leased to CRI:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized, on behalf of the Board of Trustees, to negotiate and enter into a lease with Commercial Radio Institute, Inc., for antenna space on the WOSU-TV tower and building space to house CRI's transmitter upon such terms and conditions as they deem to be in the best interest of the University.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 3, 1982 meeting, Board of Trustees

Mr. Havens presented the following resolution:

**REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS**

Resolution No. 83-30

*Synopsis: Approval for reimbursement of expenses for designated administrative officials is requested.*

WHEREAS the Fiscal Affairs Committee has authorized the payment of expenses for designated administrative officials; and

WHEREAS it is deemed in the best interest of the University for the Fiscal Affairs Committee to provide from the unrestricted gifts to the University Endowment Fund on an appropriate basis, to the President and designated University officials, reimbursement for expenditures which are directly and necessarily related to the performance of their assigned responsibilities and in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the Fiscal Affairs Committee be authorized to provide reimbursement to designated University officials from unrestricted gifts to the University Endowment Fund.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-31

RESOLVED, That the report on the University's Investment Portfolio, dated August 20, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, October 1, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-THIRD MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, October 1, 1982

The Board of Trustees met at its regular monthly meeting on Friday, October 1, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, John W. Berry, and Shirley D. Bowser.

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Minutes of the last meeting were approved.

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October 1, 1982 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 12:00 noon. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, Chairman, John D. Jacob, John F. Havens, John W. Berry, and Shirley D. Bowser.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

Mr. Smith: Mr. President, would you please proceed with your agenda.

### PRESENTATION--A DIRECTORY OF RESEARCH AND DEVELOPMENT RESOURCES AT THE OHIO STATE UNIVERSITY

President Jennings:

Yes, Mr. Chairman, I'd like to call on Dr. Garland and Dr. Adams to describe to you a booklet recently published by Ohio State called *Partners for Strength* and like for them just to describe that and describe some of their activities--Jim.

Dr. Garland:

Well, as a major research institution, Ohio State has always had the responsibility to serve the needs of the State of Ohio and of the nation as a whole. I think we all realize that this need is heightened today by our depressed economy and by the unprecedented unemployment in the state. One of the solutions to this problem--perhaps one of the only solutions--is to try to change the focus in this state away from a manufacturing base into a high-technology base. Part of the difficulty at Ohio State in making our resources available to the citizens has been a communication problem. Ohio State is so large and so diversified--it's a literally comprehensive institution--that we have found it difficult to explain to people what we were doing and what our capabilities were.

About a year and a half ago, Dr. Adams undertook to prepare a directory of research and development resources at Ohio State, and this directory has just come off the presses in the past week, so I thought it would be appropriate for him to tell you a little bit about its background.

Dr. Adams:

I don't think I will go into the history, the background that much. I know you have a lot of other important things to do, but as we've been worrying more and more lately about extending further our relationships with business and industry, I think we've all become very sensitive to the point that Jim just made that when a businessman or a person running an industry needs help of some sort from a university, he doesn't know where to go, and he doesn't know who to call--it's like a big complex jungle as you people well know, and if he goes into the wrong

October 1, 1982 meeting, Board of Trustees

**PRESENTATION--A DIRECTORY OF RESEARCH AND DEVELOPMENT  
RESOURCES AT THE OHIO STATE UNIVERSITY (contd)**

Dr. Adams: (contd)

place, he gets the wrong answer and he hates us forevermore, and says that place doesn't love us and doesn't try to help us and so forth. We decided that since we publish bulletins of courses every quarter for the students so they know which course is going on, where and when and who's teaching it and so forth, that it might not hurt to do the same kind of thing for business and industry, and that is what we have tried to do here. In effect, this is simply a guide to what the University does primarily in industry and in its principal services available for business and industry. It lists in the first section (there are three sections of it) the general areas, the general resources we have in research and services.

In the second section--the one I like best, the light blue--that's a list of almost ninety research centers and laboratories. In each case, the description tells the person who may have an interest or a need what the facilities are, what strange things that center can do that no one else in the world can do. And down at the bottom, there's a person's name and a telephone number, and I hope the index would help them find that. And up in the front of this thing is the telephone number of the Vice President for Research and University Business Relations. In other words, we hope that this becomes a kind of yellow pages, if you will, for OSU for people who need help so that they can find their way in here quickly and get the answer from the expert they're after, and if they can't, then they talk to the Vice President and he's got the book, he knows everything. That's about the size of what I have to say, Mr. President.

President Jennings:

Well, thank you, Art. This we hope will emphasize what we are best capable of doing. I might add, whether it's business and industry or any other organization interested in research capabilities at Ohio State, you'll see that the great bulk of the activity, I hate to use the words, but is involved with basic research is what Ohio State does best, that is defined very differently from department to department and college to college, but it does represent, I think, quite an accomplishment to compile from this massive institution. This is a condensed version, I might add, of this--I think the original information was a stack about this high and--is a condensed version, so there is a good deal of abbreviation, etc.

Dr. Adams:

May I add just one point--we do intend to get this out across the country to our alumni and friends, to some of the important business concerns in the country, and closer to home, to our own friends in the Chambers of Commerce in the city, the state, and so forth. And inside, now that we actually can tell ourselves what we do on this campus and how much we do, we'll pass it around here and try to impress ourselves with it.

--O--

October 1, 1982 meeting, Board of Trustees

## PRESENTATION--CANCER INSTITUTE HOSPITAL

President Jennings:

Knowing full well we don't need to impress ourselves as one of the great--the greatest--public institutions in the country, members of the press, I would now like to call on Dr. Tzagournis to present to you some of the detailed plans and operations that should and will truly recognize Ohio State University as the world's leading cancer research center in the world--we are now, but this will improve that very substantially. Manuel.

Dr. Tzagournis:

Thank you--Mr. President, Board members. I think you have heard from me sufficiently already so I would like to call on one of our distinguished faculty members in cancer to do the subsequent introductions--it is Dr. Art James who was a former president of the American Cancer Society and has chaired the faculty group in the planning of this cancer hospital and institute. Art.

Dr. James:

Thank you, Manny. Mr. President and members of the Board. I can't tell you how pleased I am to think that the idea of a cancer hospital has finally materialized to the point that the elements of an operational plan are to be presented to you this afternoon. As you well know, this has been a long time in coming. There was much work done on this in the early 60's and in 1962, for example, the *Columbus Dispatch* carried an article announcing the planning of a 100 bed cancer hospital and it was interesting that at that time this institution was to cost \$2.5 million--we should have built it then.

Then in 1977 the *Citizen Journal* announced that we were planning a 200 bed cancer hospital and those of you--many of you will remember that. But at any rate, things have finally jelled, and we are on our way and it is extremely gratifying to realize that we are going to have a first-class cancer hospital on our campus. Now this will be a very unique institution. It will be so designed, so staffed and so equipped that it will compete very favorably with the leading cancer hospitals in this country--Sloan-Kettering, Roswell Park and M. D. Anderson--and it still will be a very integral part of the University medical center. I am sure that one day it will be considered one of the better accomplishments for Ohio State University.

To get this going, a preliminary program of requirements was first drawn up. Part of this information came from the medical planning group that was engaged by a long range planning committee for the medical center and part through personal visits to cancer institutions. The program was reviewed and supplemented by the committee on cancer and its many subcommittees and there were about 50 faculty members that took part in these subcommittee reports. In addition the architects held over 100 meetings to other faculty members and other personnel so that all in all the input has been from a tremendous number of faculty and

October 1, 1982 meeting, Board of Trustees

**PRESENTATION--CANCER INSTITUTE HOSPITAL (contd)**

Dr. James: (contd)

people. Presentations were made at faculty meetings and to the Committees of the Hospitals Board and then after many meetings with the architects an operational plan has been developed and this has been presented to the Committees of the Board and has been approved by the Executive Committee of the Board and is to be presented to you for your consideration at this time by the architect. Our architectural firm is Bohm--NBBJ, and seated back here representing them is Mr. Jack Pettit, who is the Chief Architect and Vice President; and John Currie, who is Director of Medical Facilities Planning; and its President, Mr. Friedl Bohm, who will make the presentation.

Mr. Friedl Bohm:

Thank you, Art. When we look at the basics of this profile of the Cancer Institute Hospital it is very obvious--what we are looking at is at a program that on the one side wants to be a major part of the medical center of OSU at the same time also be independent in terms of its leadership in patient care, its leadership in terms of research, and its leadership as a teaching institution for physicians. If we look at the separation between the basic services offered and the clinical disciplines offered or represented, you can see a separation in the clinical disciplines in terms of the medical oncology, the surgical oncology, radiation therapy and the pathology as being the four major areas and then broken down in a series of different services.

I think it is interesting when one looks at some basic numbers in terms of how many people will be served by the institution and what service will be provided by the institution. In an oversimplified way we can break it down into outpatients and inpatients. The outpatient total work load, and I am not sure if it is legible on the bottom of that sheet, is around 66,000 outpatients per year that will be treated in the mid 80's when the cancer unit is in full operation, which comes to approximately 250 outpatients per day being treated within the facility.

On the other side when we look at the inpatient, we are looking at a need--initial need--of 160 beds which will increase over a period of 8 to 10 years to approximately 220 beds. When Art talked about comparison between The Ohio State University cancer research institute and on the other side the M. D. Anderson, Sloan-Kettering, it is probably good to look at comparison of patient group and a comparison of patient work load between M. D. Anderson and Sloan-Kettering, and if we used the 1980-81 figures of Sloan-Kettering and the 1981-82 figures of M. D. Anderson and the projected mid 80's figures of OSU Cancer Institute, you will see that the numbers at OSU sit right in the middle between those of M. D. Anderson and those of Sloan-Kettering. So our projection of outpatient visits per hospital admission and our projection of outpatient visits per bed are actually higher than Sloan-Kettering's, a little bit lower than M. D. Anderson. I think that gives us a good feeling as to where we sit with our projections.

October 1, 1982 meeting, Board of Trustees

## PRESENTATION--CANCER INSTITUTE HOSPITAL (contd)

Mr. Friedl Bohm: (contd)

The objective of the Cancer Institute Hospital is to provide facilities for research, teaching, and for patient care. The base of the hospital is obviously always patient care. We have approximately 55 percent of the space dedicated for patient care; about 18 percent of research in patient care; about 14 percent for research; and about 8 percent for teaching and conference facilities.

If we look at the total space program, the Institute Hospital has a total space need of approximately 200,000 square feet--actually, exactly 196,000 square feet. And in addition to it, the space need for the Radiation Therapy Facility is 31,000 square feet.

One of the early elements that have impelled all the programming was really an analysis of the site definition--where should the hospital happen, and the recommendation is to locate it directly east of University Hospital in the area that is designated by the red circle. For orientation purposes, you can see the drive up to Rhodes Hall about the center of this picture and the large block in the middle of the picture is the total University Hospital and the red circle there on the east side of the University Hospital.

One of the difficult things when we look at a site and the ability of a site handling such a complex institution that has to accommodate visitor traffic, has to accommodate inpatient traffic, has to accommodate outpatient traffic, service traffic, and staff traffic is really to find a way of fitting it within the campus plan within the campus as is. In an oversimplified way, the proposed traffic flow to the facility works the following--our major traffic flow happens and will happen in the future north and south on Cannon Drive whichever way Cannon Drive ties into the overall circulation network. From there the drive will go up in a circle back and front of Rhodes Hall and actually the access to the Cancer Institute Hospital is this, a little blue line, the secondary loop that comes off the main loop that goes to Rhodes Hall, the brown area depicting the location of the new facility. There is a secondary access for outpatient and for radiation therapy patients which would come up and down Twelfth identified in the green arrows on the drawing that you can see up there.

The Institute Hospital ties into University Hospital, ties into Rhodes Hall, will use as many of the functions that are already in place as possible--at the same time will create its own identity. It will also tie into the existing traffic network and use the existing proposed parking structures. Right now we have a parking garage on Ninth which is on the bottom of the picture within two block access of the Hospital. There is another parking garage on Eleventh to the east just across Neil, again, in direct, visible contact with the proposed hospital, and a garage planned on the north side of Twelfth which will have direct access to the hospital.

October 1, 1982 meeting, Board of Trustees

**PRESENTATION--CANCER INSTITUTE HOSPITAL (contd)**

Mr. Friedl Bohm: (contd)

In a little bit closer proximity, you can see in light brown how the building fits between the dental building to the north and the optometry building to the south, the blue arrows depicting a basic traffic concept with the building on the lowest floor connecting directly into University Hospital, connecting into the Materials Handling System, connecting into the total circulation of University Hospital with a patient access for radiation therapy patients coming in from the north from Twelfth Avenue, tying directly into the total circulation of the hospital which will basically have three ways of vertical circulation--one for visitors, one for in-house use, and one for materials handling.

On the ground floor, the entrance floor, on the right-hand side of this light brown area, the blue arrows depict the public entrance of an entrance loop into a lobby; public elevators going up and down the building, the green arrow on the left-hand side depicts the present inpatient pickup area of University Hospital which will become in the future the major inpatient area for dropoff and pickup for both the University Hospital and the Cancer Institute Hospital. We will also have to build a dropoff for outpatients within that loop; and then four stories develop on top of that first floor with the subsequent stories above being patient floors--four patient floors on the top of it, a series of laboratory floors. There is a separation between basically two buildings--on the one side, the Cancer Institute Hospital and that sliver really between the bare tar you see there and the dental building--being two stories of the radiation therapy building.

It might help just to look at a couple of quick slides of a stacking diagram that gives you a feeling how the new facility fits into the site. This is actually a cut through the site with everything that's below the gray line around the building being underground, with the blue and yellow lines and black line are tunnels and underground utilities. And you can see are the ground floor, the basement floor fits into the gray area being the base of the Cancer Institute Hospital tying into the base of University Hospital, the yellow area being the radiation therapy portion of the building.

You can see now the ground floor, the potential access area in front, the circulation going around it, and then the first floor of the Cancer Institute Hospital with the light yellow in the back being radiation therapy, the darker yellow in front being public entrance areas and part of the clinical space. The floor above will all be clinical space, again, directly tying into the second floor of University Hospital; the third floor would be the bone marrow floor; the fourth floor becomes the surgical floor--that ties again into the fourth floor which presently in Rhodes Hall is the surgical floor of University Hospital complex. The fifth and the sixth floor of the new facility would be mechanical floors servicing the building in both directions, and then starting at the seventh floor, the seventh and eighth and the ninth floor and the tenth floor all being patient floors of the Cancer Institute Hospital, we have by three of those four floors would tie directly into University Hospital, and then the eleventh floor and the twelfth floor of the facility will be laboratories based again on top of the building, obviously, with them being capped off with the roof.

October 1, 1982 meeting, Board of Trustees

**PRESENTATION--CANCER INSTITUTE HOSPITAL (contd)**

Mr. Friedl Bohm: (contd)

If you look in a section on the left-hand side, the gray area depicts University Hospital; on the right-hand side a section through the Cancer Institute Hospital, you can see that most floors have direct connections between University Hospital and the proposed new hospital.

When we look at future expansion, if ever, the optometry building might not be there. There's an ability to expanding the facility to the south. There's an ability to expanding radiation therapy and other areas within the hospital.

And last but definitely not least, a little drawing that shows the on-ground pedestrian circulation, the tie-in of the Cancer Institute Hospital as a part of the total campus complex, an arcade going around the building that really connects from the dentistry building all the way to the front of Rhodes Hall and really accommodates the pedestrian flow, that's a pretty important way of circulating within that part of campus at this time and hopefully also in the future. And this is really kind of a summary of the last six months of work on the project.

President Jennings:

That's first of all amazing that when you made that presentation to the Hospital Board--to summarize it that well--what was about an hour and a half presentation to the University Hospitals Board was going from there. As a result of that, on the recommendation of the Hospital Board, we are asking for a variety of recommendations from the Board so that we can go on with that. That is included in your Board documents in special reports. Do you have something else?

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**ARCHITECT'S PRESENTATION--ARTHRITIS AND GERIATRICS CENTERS**

Dr. Tzagournis:

Yes, we have just another brief presentation on the site of Geriatrics and Arthritis Centers.

President Jennings:

The first item in your Board report is the location of Arthritis and Geriatrics and we'll pick up on that and then go into the cancer things.

Dr. Tzagournis:

The presentation on the site of Arthritis and Geriatrics will be given by Mr. Carmichael, architect--Mr. Carmichael.

October 1, 1982 meeting, Board of Trustees

## ARCHITECT'S PRESENTATION--ARTHRITIS AND GERIATRICS CENTERS (contd)

Mr. Carmichael:

Ladies and gentlemen. In the process of selecting a site for the Arthritis/Geriatrics Center, there were seven different locations that were considered--Sites 2, 3, 4, and 5 were rejected for reasons of size, circulation, or prior assignment to another project as in the case of number 5. Sites 1 and 6 were studied in some depth, presented to the Review Committee and rejected for reasons of congestion, inconvenience or cost. Site number 7 in the Dodd Hall area was the one that seemed to offer the greatest promise for development and the one that we are presenting today.

Our proposal is located in the immediate, adjacent vicinity of Dodd Hall to the south; is also in close proximity to the intersection of the new off-ramp from 315 coming east and the relocated Cannon Drive. Access to this site is by a return loop that is located as far east on Eighth Avenue as possible in order to minimize the problem of backup traffic from this signal light.

The topography of this site lends itself quite well to a provision for ground-level parking as shown in this drawing with 65 cars approximately parked there. The only building element at this level is a small reception control area with vertical circulation elevators to the floors above. These drawings that you see are not in any sense final design drawings, they are rather feasibility studies based upon the gross departmental areas as defined in the program, and of course, their purpose is to determine the suitability of this site for the project.

The first floor of the Geriatrics/Arthritis Center adjacent to Dodd Hall would be occupied by administrative spaces and patient treatment areas. The patient treatment areas are--the floor itself also is level with the Dodd Hall floor and connected directly to the therapy facilities of Dodd Hall, most notably occupational therapy, physical therapy, and the therapeutic pool. And it's this proximity to these features that is perhaps the most telling advantage that this site has in comparison to the others.

The second floor would be devoted to research and laboratory facilities--like the first floor, it is connected directly to the corridor system of Dodd Hall, also to the elevators which service all floors of Dodd Hall including the basement which is tied into the tunnel system and provides access for patients, staff, and services to all of the various buildings in the medical center.

This elevation sketch may serve to clarify some of the things that I have said. As you can see, the parking area is slightly depressed from the road level--it's about the same level as the playing field across Cannon Drive. The administrative and patient treatment areas would be this long elevation with exposed glass areas. This would be the laboratory and research area.

The project has a total of 41,000 gross building square feet and with the parking area at the level would require a budget as assigned of \$8 million of which about \$5,575,000 would be for direct construction. We estimate six months to complete



October 1, 1982 meeting, Board of Trustees

**ARCHITECT'S PRESENTATION--ARTHRITIS AND GERIATRICS CENTERS (contd)**

Mr. Carmichael: (contd)

the drawings after release to proceed plus two months for bidding and contract awards, and about a year and a half for construction--a total of two years and two months to complete the project. Do you have any questions on it?

President Jennings:

Thank you a lot. The recommendation before you is the site selection of the Arthritis and Geriatrics Center as described south of Dodd Hall--upon the recommendation of the Facilities Committee, the site designated in the proposal as recommended for location of the Arthritis and Geriatrics Center is recommended by the Executive Committee of the Hospitals Board.

**ARTHRITIS CENTER AND GERIATRICS CENTER--SITE SELECTION**

Resolution No. 83-32

*Synopsis: The site adjacent to the south side of Dodd Hall is proposed for the Arthritis and Geriatric Centers.*

WHEREAS pursuant to paragraph (A) of bylaw 3335-97-02 of the Administrative Code, the Executive Committee has the power to transact business of the University Hospitals Board between regular meetings of the Board as authorized; and

WHEREAS the proposed site for locating the Arthritis and Geriatrics Centers--adjacent to the south side of Dodd Hall--has been recommended by the project architect, Dan A. Carmichael, AIA:

NOW THEREFORE

BE IT RESOLVED, That upon the recommendation of the Facilities Committee, the site designated above is recommended for the location of the Arthritis and Geriatrics Centers by the Executive Committee of the Hospitals Board.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**CANCER INSTITUTE HOSPITAL AND CANCER RADIATION  
THERAPY--SITE SELECTION**

Resolution No. 83-33

*Synopsis: The site adjacent to the east end of University Hospital, between Postle Hall on the north and Starling-Loving Hall on the south is proposed for the Cancer Institute Hospital and planning for Cancer Radiation Therapy.*

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**CANCER INSTITUTE HOSPITAL AND CANCER RADIATION  
THERAPY-SITE SELECTION (contd)**

WHEREAS pursuant to paragraph (A) of bylaw 3335-97-02 of the Administrative Code, the Executive Committee has the power to transact business of the University Hospitals Board between regular meetings of the Board as authorized; and

WHEREAS the proposed site for locating the Cancer Institute Hospital and planning for Cancer Radiation Therapy--adjacent to the east end of University Hospital, between Postle Hall on the north and Starling-Loving Hall on the south--has been previously endorsed by the Hospitals Board; and

WHEREAS the proposed site as designated above has subsequently been reviewed and recommended by the firm of Bohm-NBBJ, Columbus, Ohio:

**NOW THEREFORE**

**BE IT RESOLVED**, That upon the review and recommendation of the Ad Hoc Building Committee for the Cancer Institute Hospital and the recommendation of the Hospital Facilities Committee, the Executive Committee of the Hospitals Board endorses the site as designated above for the location of the Cancer Institute Hospital.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**CANCER INSTITUTE HOSPITAL TIME AND ACTION CALENDAR**

Resolution No. 83-34

*Synopsis: It is recommended that the contracts associated with clearing the underground utilities at the site and construction of the Cancer Institute Hospital be approved.*

WHEREAS pursuant to paragraph (A) of bylaw 3335-97-02 of the Administrative Code, the Executive Committee has the power to transact business of the University Hospitals Board between regular meetings of the Board as authorized:

**NOW THEREFORE**

**BE IT RESOLVED**, That upon the recommendation of the Hospital Facilities Committee, the Executive Committee recommends that the contracts associated with clearing the underground utilities at the site designated for the Cancer Institute Hospital be let and started during the calendar year 1982; and

**BE IT FURTHER RESOLVED**, That upon the recommendation of the Hospital Facilities Committee, the Executive Committee recommends that the contracts associated with construction of the Cancer Institute Hospital be let by September of 1983.

Upon motion of Mrs. Bowser, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 1, 1982 meeting, Board of Trustees

**CANCER INSTITUTE HOSPITAL OPERATING PLAN**

Resolution No. 83-35

*Synopsis: The Operating Plan for the OSU Cancer Institute Hospital is recommended for endorsement.*

WHEREAS pursuant to paragraph (A) of bylaw 3335-97-02 of the Administrative Code, the Executive Committee has the power to transact business of the University Hospitals Board between regular meetings of the Board as authorized; and

WHEREAS the Operating Plan for the Cancer Institute Hospital has been presented to and reviewed by the Ad Hoc Building Committee for the Cancer Institute Hospital and reported to the Hospital Facilities Committee:

NOW THEREFORE

BE IT RESOLVED, That upon the recommendation of the Hospital Facilities Committee, the Executive Committee of the Hospitals Board endorses the Operating Plan for the Cancer Institute Hospital and recommends planning and design proceed; and

BE IT FURTHER RESOLVED, That the Operating Plan for the Cancer Institute Hospital will be incorporated into the \$40 million allocation, and alternate plans will be developed to include Radiation Therapy.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**CANCER INSTITUTE HOSPITAL PARKING ENDORSEMENT**

Resolution No. 83-36

*Synopsis: A parking ramp at a site north of Twelfth Avenue, east of Wiseman Hall, and west of the Botany and Zoology Greenhouses is being proposed.*

WHEREAS pursuant to paragraph (A) of bylaw 3335-97-02 of the Administrative Code, the Executive Committee has the power to transact business of the University Hospitals Board between regular meetings of the Board as authorized:

NOW THEREFORE

BE IT RESOLVED, That upon the recommendation of the Hospital Facilities Committee, the Executive Committee of the Hospitals Board recommends to The Ohio State University President that the proposed Ohio State University parking garage at a site designated north

October 1, 1982 meeting, Board of Trustees

**CANCER INSTITUTE HOSPITAL PARKING ENDORSEMENT (contd)**

of Twelfth Avenue, east of Wiseman Hall, and west of the Botany and Zoology Greenhouses is an essential part of the operation of the Cancer Institute Hospital.

Upon motion of Mr. Redman, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE  
OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY)**

Resolution No. 83-37

*Synopsis: Amendments to Rules 3335-5-03 and 3335-5-48 and the adoption of Rules 3335-5-021, 3335-5-022, and 3335-5-023 of the Administrative Code are being proposed.*

WHEREAS it is recognized that financial and other resources available to The Ohio State University may be limited in the future so as to necessitate reductions in University programs; and

WHEREAS the Administrative Code does not contain procedures for the reduction of University programs during periods of financial exigency, nor for the protection of tenured faculty members during such periods:

NOW, THEREFORE, BE IT RESOLVED as follows:

- (1) That the Board of Trustees of The Ohio State University amends Rule 3335-5-03, adopts Rules 3335-5-021, 3335-5-022, 3335-5-023, and amends Rule 3335-5-48 of the Administrative Code as proposed by the University Senate in its action dated June 5, 1982;
- (2) That new Rules 3335-5-021, 3335-5-022, and 3335-5-023 of the Administrative Code and those changes dealing specifically with financial exigency in Rules 3335-5-03 and 3335-5-48 shall have application only during periods of financial exigency as determined pursuant to those rules and in no way either directly or by implication modify present University rules, policies, or procedures or the University's rights presently existing at law;
- (3) That during a period of financial exigency any ambiguity between the language of these new or amended Rules and language of University Rules existing prior to this action shall be resolved in favor of the University's prior existing Rules.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

3335-5-021 Financial exigency.

- (A) Definition. Financial exigency is an imminent financial crisis which seriously jeopardizes the ability of the university as a whole to survive as an institution of excellence in teaching, research, and public service. Projections of enrollment, of instructional subsidies, and of other sources of revenues must demonstrate that the shortage of funds will be both severe and persistent and cannot be alleviated by temporary or voluntary measures, as specified in paragraph (B) (2) of this rule.
- (B) Mechanism of determination.
- (1) In the event of an imminent financial crisis, as announced and defined by the president to the university senate, the president will solicit the recommendations of the fiscal committee, as provided for under rule 3335-5-582 of the Administrative Code, to ascertain whether a determination of financial exigency is warranted.
  - (2) The fiscal committee, acting in accordance with rule 3335-5-582 of the Administrative Code, shall have the responsibility to:
    - (a) Review the budgetary documentation of the crisis, having full access to that documentation.
    - (b) Assess whether the crisis would reduce the quality of the academic programs of the university as a whole to an unacceptable degree and would render the university unable to meet its obligations to the public.
    - (c) Ascertain the extent to which consolidation or elimination of some administrative offices and services or reductions in operating and equipment budgets would alleviate the crisis.
    - (d) Ascertain the extent to which voluntary retrenchment mechanisms, including early retirement or resignation or other economic incentive plans, would alleviate the crisis.
    - (e) Make a recommendation based upon the above considerations of the need for a determination of financial exigency.
    - (f) Report the results of its deliberations to the university senate.
    - (g) Monitor the financial condition of the university during a state of financial exigency.
  - (3) Upon receipt of the report of the fiscal committee, the university senate shall make its recommendations as to whether there should be a determination of financial exigency.

October 1, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

- (4) Upon receipt of the recommendations of the fiscal committee and the university senate, the president will notify the university community and the university senate of the administration's analysis and proposed response to the financial situation, allowing an opportunity to respond to questions and to solicit advice and opinions.
  - (5) In the event that the recommendations of the university senate and the president differ substantially on recommending determination of financial exigency to the board of trustees, recommendations of both shall be forwarded to the board, which has final responsibility for the determination of financial exigency. No further establishment of financial exigency will be required for one year at which time the full procedures must be invoked again.
- (C) Review of administration proposals for alleviating financial exigency.
- (1) Upon determination of a state of financial exigency and upon receipt from the vice president for academic affairs and provost of proposals, prepared in consultation with the college faculties, for curtailment of academic programs to alleviate financial exigency, the council on academic affairs shall review the proposals.
  - (2) For the purpose of this review, the council is to be an advisory committee to the president and is to report the results of its review both to the president and to the university senate.
  - (3) The vice chairperson of the council shall act as chairperson of the council for the review of these proposals and for the submission of results to the president and to the university senate.
  - (4) In the conduct of its review, the council is authorized to:
    - (a) Obtain explanations of the proposals or provisions thereof;
    - (b) Request or initiate changes in the proposals and seek concurrence of appropriate administrators. In the event of non-concurrence, the council will note any points of disagreement.
  - (5) All proposals are to be reviewed both individually and as a coordinated set.
  - (6) In the review, the council shall:
    - (a) Consider alternatives to those proposals which would result in involuntary termination of tenured faculty members or regular faculty members in the probationary period;
    - (b) Determine that the proposals are consistent with established educational and academic policies of the university;

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**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

- (c) Determine that there has been appropriate consultation with administrators, faculty, and students in the preparation of the proposals;
  - (d) Determine the extent to which the proposals affect the affirmative action commitment of the university;
  - (e) Determine that the proposals consider the effect upon students whose faculty advisers are reassigned or terminated and students whose field of study would be eliminated;
  - (f) Determine that the reassignment, economic incentive, and retraining provisions under rule 3335-5-022 of the Administrative Code have been considered;
  - (g) Determine that the proposals take into account the quality of relevant programs.
- (7) The council shall conduct a hearing or hearings at which appropriate administrators, faculty members, and students are invited to testify.
- (8) Within sixty days of the receipt of the proposals or such time as the president may designate, the council shall submit its report to the president and the university senate.
- (D) Ending a state of financial exigency. A state of financial exigency ends one year after determination, unless ended sooner by the board of trustees.

**3335-5-022 Treatment of tenured faculty members during financial exigency.**

**(A) Definitions and construction.**

- (1) "Academic program" or "program" means:
- (a) A college, school, department, division, or instructional unit headed by an academic administrator;
  - (b) A research or service unit (which may or may not educate students) headed by an academic administrator;
  - (c) A coherent set of courses, or program of study, which leads to an academic degree; or
  - (d) A coherent set of courses, or program of study, which does not lead to an academic degree but which serves to educate or train students (e.g., a professional certification program or a remedial program).

**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

- (2) "Curtailed" means reduced or eliminated, while "preserved" means not eliminated.
- (3) "Tenured faculty member" means a regular tenured member of the faculty.
- (4) "Tenure initiating unit" (TIU) means the specific academic unit responsible for making the initial recommendation on a regular faculty member's tenure status as recorded on the university tenure audit list available at the office of academic affairs. For purposes of this definition, the university tenure audit list of March 12, 1982, shall be retained, except as subsequently modified in accord with paragraph (C) of rule 3335-5-14 of the Administrative Code.

**(B) Involuntary termination of tenured faculty.**

- (1) Hiring of faculty during financial exigency. The university shall not appoint new faculty while terminating tenured faculty appointments because of financial exigency unless a serious distortion in academic programs would otherwise result.
- (2) Preservation of tenure initiating unit. A tenured faculty member whose TIU is preserved shall not be involuntarily terminated because of the curtailment of academic programs to which the faculty member is assigned.
- (3) Administrative restructuring of tenure initiating unit. A tenured faculty member whose TIU is restructured by an administrative reorganization (e.g., by consolidation or merger with other TIU's, or by dispersal into several TIU's) shall not be involuntarily terminated for that reason. The faculty member shall be transferred to the appropriate reorganized TIU in accordance with the provisions of paragraph (C) (4) of this rule.
- (4) Reinstitution of tenure initiating unit. If an eliminated TIU is substantively reinstated or established within a remaining TIU within three (3) years, the university shall offer to reappoint all terminated tenured faculty members at their previous ranks.
- (5) Elimination of tenure initiating unit. A tenured faculty member whose TIU is scheduled for elimination shall not be involuntarily terminated for that reason until the reassignment provision of paragraph (C) of this rule and the economic incentives of paragraph (D) of this rule have been offered to all eligible faculty members in the TIU.
- (6) Notice of termination. A termination of appointment because of the elimination of a tenure initiating unit shall become effective no sooner than one full appointment period following the expiration of the faculty member's current appointment.



October 1, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

(7) Eligibility for termination compensation. A tenured faculty member who has been involuntarily terminated because of the elimination of his or her tenure initiating unit shall be entitled to accrued benefits and such compensation as authorized by the board of trustees.

(C) Reassignment of tenured faculty members.

(1) Change of tenure initiating unit. If a tenured faculty member's TIU is scheduled for elimination, then the university shall offer to transfer the faculty member to any suitable authorized position in the remaining TIU's provided that a simple majority of all tenured faculty in a TIU are willing to accept the faculty member. The evaluation of the professional qualifications of the faculty member shall be made by the faculty in the new TIU, based on considerations of the faculty member's potential contributions to the needs of the program according to the prevailing standards of the new TIU.

(2) Reassignment to new position. A tenured faculty member whose tenure initiating unit is scheduled for elimination shall not be reassigned to another position unless that reassignment includes a change of TIU and retention of tenure. This requirement shall not preclude the possibility of employing in a non-faculty position a faculty member who has lost tenure because of resignation or involuntary termination. A faculty member shall not be obligated to accept an offer of reassignment.

(3) Eligibility for economic incentives. A tenured faculty member who accepts an offer of reassignment according to the provisions of paragraphs (C) (1) and (C) (2) of this rule and who voluntarily resigns from the reassigned position within six months, shall be entitled to any of the economic provisions of paragraph (D) of this rule that were applicable at the time of reassignment.

(4) Rate of compensation. Reassignment of a tenured faculty member to a different tenure initiating unit shall not be at a reduced rate of compensation. If reassignment necessitates a change of compensation base (e.g., conversion between nine-month and eleven-month appointments), then the change shall be calculated according to standard university accounting procedures.

(5) Displacement of other employees. A tenured faculty member who is reassigned to a new tenure initiating unit shall not displace an incumbent in an existing position (e.g., a tenured faculty member in a program which is curtailed shall not be assigned to a position in another TIU held by an untenured faculty member, or to a position held by an administrative and professional employee).

(6) Retraining of faculty. Where reassignment of a tenured faculty member according to the provisions of paragraphs (B) (1), (C) (1), or (C) (2) of this rule would be facilitated by or contingent upon a period of retraining, the faculty member shall be eligible for a reassignment training leave.

October 1, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

**(D) Economic incentives and retraining programs.**

- (1) Early retirement program. The university shall invoke the provisions of the Ohio state university early retirement program to facilitate the voluntary reduction of tenured faculty members in a curtailed academic program.
- (2) Reassignment training leave program. The university shall invoke the provisions of a reassignment training leave program to facilitate reassignment of tenured faculty members to other programs or tenure initiating units.
- (3) Other programs. The university shall invoke any other feasible methods to reduce by voluntary means the number of tenured faculty members in a curtailed academic program. Such methods could include a voluntary resignation program (e.g., a "buy-out" plan), among other possibilities.

**3335-5-023 Appeal procedures for tenured faculty because of termination of appointments during financial exigency.**

**(A) Scope and construction.**

- (1) A tenured faculty member who has received a notice of termination because of financial exigency shall have the right to a hearing before a faculty hearing panel.
- (2) The responsibility for presenting the formal appeal and for responding to the hearing panel's requirements at all stages rests with the faculty member bringing the complaint ("the complainant").
- (3) The determination of financial exigency or the decision to eliminate a tenure initiating unit shall not constitute grounds for an appeal.
- (4) An appeal may be made only on the basis of a complaint over the interpretation or implementation of paragraphs (B) through (D) of rule 3335-5-022 of the Administrative Code. In considering complaints over implementation of the aforementioned rules, the hearing panel shall consider only whether those individuals making the decisions followed the appropriate procedures and considered the important evidence material to a fair determination.

**(B) The university senate faculty hearing committee.**

- (1) Written notice of intention to appeal shall be given by the complainant within thirty days of the receipt of a termination notice. An additional thirty days will be allowed for the complainant to submit the formal appeal. The notice of intention to appeal and the formal appeal will be submitted to the vice president for academic affairs and provost and to the chairperson of the faculty hearing committee.

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**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

- (2) In response to each notice of intention to appeal, the faculty hearing committee shall select a hearing panel of tenured faculty members according to the provisions of rule 3335-5-581 of the Administrative Code. The hearing panel shall begin its review of the case not earlier than thirty days and no later than sixty days from receipt of the notice of intention to appeal, except by mutual consent of the complainant and the chairperson of the faculty hearing committee.
- (3) The hearing panel shall conduct an investigatory proceeding in accordance with the following provisions:
  - (a) The proceeding shall not be adversarial in nature. The proceeding shall be an investigation leading to a report on whether or not those individuals making the decision followed the appropriate procedures and considered the important evidence material to a fair determination.
  - (b) The complainant shall have the right to be present at any hearing before the panel where testimony is taken concerning the complainant's case and to bring an adviser. No formal transcript of the hearing need be made unless requested by the complainant.
  - (c) The complainant shall state the case in writing and shall have the opportunity to present the case in person to the hearing panel and to offer any evidence in support of the claim.
  - (d) The person or persons responsible for the decision may be called upon by the hearing panel to demonstrate that the important and material evidence was considered.
- (4) At the conclusion of the hearing, the hearing panel shall either dismiss the complaint or support the complaint. In either case, the panel shall record its findings in writing, providing specific responses to each charge made by the complainant, summarizing the evidence and rationale which led the panel to its decision. These findings shall be reported to the administrative officer of the tenure initiating unit, to the dean of the college in which the complainant is a member, to the vice president for academic affairs and provost, and to the complainant.
- (5) The hearing panel shall recommend to the vice president for academic affairs and provost and to the president either that the complaint be dismissed or that corrective action be taken.
- (6) Within thirty days of the receipt of the panel's decision, the vice president for academic affairs and provost shall respond in writing to the hearing panel and to the complainant stating what action has been recommended and the reasons therefor.

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**ESTABLISHMENT OF RULES OF THE UNIVERSITY FACULTY (RELEASE OF TENURED FACULTY IN CASE OF FINANCIAL EXIGENCY) (contd)**

- (7) Except for those documents received under the promise of confidentiality, all written documents and recorded testimony obtained by the hearing panel shall be made available to the complainant upon request.

**(C) The president.**

- (1) After receipt of the hearing panel's recommendations under paragraph (B) (5) of this rule, and the vice president for academic affairs and provost's recommendations under paragraph (B) (6) of this rule, the president shall review the matter and take whatever action is deemed appropriate.
- (2) All decisions of the president under this procedure shall be provided in writing to the hearing panel, the vice president for academic affairs and provost, and the complainant.

**3335-5-03 Election of faculty and staff; tenure.\***

The board of trustees shall annually appoint the president and all employees of the university not in the classified civil service, subject to the laws of the state of Ohio, and in the case of regular faculty, to the rights and protection of tenure. Tenure is a commitment by the university and may be earned by all individuals with regular faculty status subject to a probationary period. Regular faculty status is defined in rule 3335-5-19 of the Administrative Code. The protections of tenure and academic freedom extend to all levels of faculty responsibility within the university in accord with rule 3335-5-01 of the Administrative Code and are not restricted to activities identified with specific instructional, research or public service programs. Tenure is lost by formal resignation, by retirement, or may be terminated by reason of proved incompetence or grave misconduct in accordance with rule 3335-5-04 of the Administrative Code, for causes set forth in rule 3335-5-02 of the Administrative Code, or under the conditions of bona fide financial exigency, as specified in rule 3335-5-021 of the Administrative Code.

**3335-5-48 Council on academic affairs.**

- (H) Upon determination of a state of financial exigency, the council on academic affairs shall review the administration's proposals as provided under rule 3335-5-021 of the Administrative Code.
- (I) Reports by the council on academic affairs to the president, other than those made through the university senate, shall be made through the vice president for academic affairs and provost.

\*Rule initiated by board of trustees.

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October 1, 1982 meeting, Board of Trustees

Dr. Jacob presented the following resolution:

**EXPRESSION OF APPRECIATION**

Resolution No. 83-38

WHEREAS, the ad hoc Faculty Committee on the Release of Tenured Faculty appointed by then Provost W. Ann Reynolds and chaired by Professor James C. Garland, extensively reviewed and analyzed the issues involving the termination of tenured faculty in the event of financial exigency; and

WHEREAS, the University Senate Steering Committee appointed a faculty and student committee known as the Select Committee for the Termination of Tenured Faculty chaired by Professor Glen H. Schmidt; and

WHEREAS, the Select Rules Committee also reviewed and analyzed the issues involving the termination of tenured faculty in the event of financial exigency and actually developed proposed rules to be followed in the event of financial exigency; and

WHEREAS, the Faculty Council recommended to the University Senate that rules be passed regarding the release of tenured faculty for reasons of financial exigency; and

WHEREAS, the University Senate on June 5, 1982 officially passed and recommended to this Board proposed rules for the termination of tenured faculty for reasons of financial exigency:

NOW, THEREFORE, BE IT RESOLVED, That the Board of Trustees officially express its appreciation to the ad hoc Committee on the Release of Tenured Faculty, the Select Rules Committee for the Termination of Tenured Faculty, the Faculty Council, and the University Senate for their diligence and thorough investigation and analysis in developing rules regarding the release of tenured faculty for reasons of financial exigency.

Upon motion of Dr. Jacob, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

President Jennings:

I would just like to also express my appreciation to the various faculty committees but to the faculty, in general. The great discussions, and this was done in a very professional way, and I think all of us owe a debt of gratitude to the faculty, in general, as well for coming forth with a solution to an enormously difficult problem. I thank all of you--and we'll never use it.

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October 1, 1982 meeting, Board of Trustees

**CODE OF STUDENT CONDUCT FOR THE OHIO STATE UNIVERSITY**

Resolution No. 83-39

*Synopsis: The Code of Student Conduct is being proposed for adoption.*

WHEREAS the current *Code of Student Rights and Responsibilities* for The Ohio State University has not been comprehensively revised for eleven years; and

WHEREAS the Council on Student Affairs and the appropriate University offices have recommended adoption of the proposed code; and

WHEREAS the proposed code has been reviewed by approved University legal counsel:

NOW THEREFORE

BE IT RESOLVED, That the *Code of Student Rights and Responsibilities* be rescinded and that the revised *Code of Student Conduct* be adopted, effective November 1, 1982.

Upon motion of Mrs. Bowser, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY**

Resolution No. 83-40

*Synopsis: Amendments to Rules of the University Faculty are being proposed.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed change in rule 3335-5-61 and the deletion of rule 3335-5-611 of the Administrative Code were approved by the University Senate on May 8, 1982, as follows:

3335-5-61 Committee on traffic, parking, and public safety.

(A) The committee on traffic, parking, and public safety shall consist of seven-teen members as follows:

- (1) Six faculty members;
- (2) One graduate student;
- (3) One professional student;

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

- (4) Two undergraduate students;
  - (5) Three members of the administration, appointed by the president;
  - (6) Two staff members (eligible for only "B" parking permits) elected for three-year terms;
  - (7) The director of public safety, or designee, ex officio, non-voting; and
  - (8) The manager of the division of traffic and parking, ex officio, non-voting.
- (B) Faculty, administration, and student members shall serve for terms in accordance with rule 3335-5-46 of the Administrative Code. One-third of the faculty and one-third of the administration members shall retire each year. The committee shall elect its own chairperson from among the faculty members of the committee who shall serve in this capacity for a term of one year and for no more than one additional one-year term, if elected for a second term.
- (C) The committee on traffic, parking, and public safety shall:
- (1) Be responsible for making recommendations and hearing grievances, criticism and other testimony pertaining to public safety; recommend through appropriate administrative channels, and to the university senate, ways and means for improving traffic and parking conditions, and the administration and enforcement of traffic and parking regulations;
  - (2) Hold at least one publicized annual open hearing to receive information from interested parties with concerns about traffic, parking, and public safety;
  - (3) Hold such special hearings as the committee deems necessary when concerns about public safety, traffic, and parking arise in the university community. Reports of such special hearings will be promptly forwarded through appropriate channels and to the university senate.
  - (4) Report on its activities at least annually to the university senate. (B/T 3/5/76, B/T 3/3/78, B/T 10/1/82)

NOW, THEREFORE, BE IT RESOLVED as follows:

- (1) That the foregoing amendment to rule 3335-5-61 and the deletion of rule 3335-5-611 be adopted by the Board of Trustees for implementation and incorporation in the Administrative Code;

October 1, 1982 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

- (2) That except for the modifications specifically approved herein, this action amending rule 3335-5-61 in no way, either directly or by implication, modifies present University rules, policies or procedures of The Ohio State University;
- (3) That any ambiguity which may exist in the interpretation of the language of this amended rule and the language of University rules existing prior to this action shall be resolved in favor of the University's prior existing rules.

Upon motion of Mr. Hilliker, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTION**

Resolution No. 83-41

RESOLVED, That so much of Resolution No. 83-20 pertaining to the appointment and change of title of Jules B. LaPidus be amended to read as follow:

Reappointment of Principal Administrative Official

JULES B. LAPIDUS, Dean of the Graduate School, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

Upon motion of Dr. Jacob, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 83-42

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointment of New Chairman of Department; Leaves of Absence Without Salary; Professional Improvement Leave--Change of Date; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 3, 1982 meeting of the Board, including the following Appointment of New Chairman of Department; Leaves of Absence Without Salary; Professional Improvement Leave--Change of Date; and Emeritus Titles as detailed in the University Budget, be approved.



October 1, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointment of New Chairman of Department

September 1, 1982 through June 30, 1983

Neurology

\*George W. Paulson

\* Acting Chairman

Leaves of Absence Without Salary

RONALD E. LAYMON, Associate Professor, Department of Philosophy, effective October 1, 1982 through December 31, 1982, to accept a research grant from the Center for Philosophy of Science at the University of Pittsburgh.

PASQUALE CHARLES GRADO, Assistant Professor, Department of Architecture, effective October 1, 1982 through March 31, 1983, to work with several well-known architectural firms.

ALLAN G. SEKULA, Assistant Professor, Department of Photography and Cinema, effective April 1, 1983 through June 30, 1983, to accept a 1982-83 Ohio Arts Council Art Critic's Grant.

MICHAEL MIECZYSLAW SZPORER, Assistant Professor, Department of English (Mansfield Campus), effective October 1, 1982 through June 30, 1983, to accept a Fulbright Grant to study in Poland.

DONNA J. HERSHBERGER, Instructor, Cooperative Extension Service, effective August 17, 1982 through August 30, 1982, for personal reasons.

MICHAEL HOFFMAN, Instructor, Department of Mathematics, effective October 1, 1982 through June 30, 1983, to accept a research position at Memorial University of Newfoundland.

Professional Improvement Leave--Change of Date

JAMES R. GAINES, Professor, Department of Physics, change professional improvement leave from Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983 to Winter Quarter 1983 and Spring Quarter 1983.

Emeritus Titles

CHARLES W. CONROY, College of Dentistry (Oral Biology), with the title Professor Emeritus, effective September 1, 1982.

YURII KYOGOKU, University Libraries, with the title Instructor Emeritus, effective October 1, 1982.

Upon motion of Mrs. Bowser, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 1, 1982 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM

Resolution No. 83-43

*Synopsis: Resolutions honoring the service of a former member of the Board of Trustees and three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Frederick R. Eckley

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 29, 1982, of Frederick R. Eckley, former member of the Board of Trustees.

Frederick R. Eckley was born in Delaware, Ohio, on August 22, 1914. He was graduated from The Ohio State University with a Bachelor of Science in Business Administration degree in 1936.

Mr. Eckley was appointed to the position of president of Ohio Bell Telephone Company in December 1962. In May, 1964, he moved to American Telephone & Telegraph Company as executive vice president, returning to Ohio Bell's presidency in April, 1966.

His telephone career began with the Commercial Department of New Jersey Bell Telephone Company in 1936, shortly after his graduation from Ohio State. Ten years later he moved to A. T. & T. in New York where he worked on several public relations assignments and as a right-of-way sales engineer.

Mr. Eckley joined the Northwestern Bell Telephone Company at Omaha in 1952 as commercial operations supervisor and rose to assistant vice president of sales and merchandising in 1955. He returned to New York in 1956 as business engineer for A. T. & T. A year later he became assistant vice president of merchandising and in 1958 he transferred to the Commercial Department as assistant vice president. In 1959, he was named director of personnel and public relations in A. T. & T.'s Long Lines Department, and in 1961, he moved to Detroit to become vice president and general manager of Michigan Bell.

Mr. Eckley was appointed to The Ohio State University Board of Trustees on May 5, 1969, for a term expiring May 13, 1973, and served as chairman of the Board for 1972-73.

Mr. Eckley was active in civic and professional affairs in the greater Cleveland area. He was a director of the Greater Cleveland Growth Association, the Ohio Chamber of Commerce, Republic Steel Corporation, Central National Bank of Cleveland, and the National Conference of Christians and Jews.

Mr. Eckley was an active alumnus and helped to establish the Pace Setters Club, an honorary organization for business students in the College of Administrative Science.

October 1, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Frederick R. Eckley (contd)

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Frederic W. Heimberger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 31, 1982, of Frederic W. Heimberger, Dean of Faculties Emeritus and Professor Emeritus in the Department of Political Science.

Dr. Frederic Heimberger earned his undergraduate and graduate degrees at The Ohio State University. He received his Doctor of Philosophy degree in political science in 1931.

Dr. Heimberger joined the faculty of The Ohio State University as an Instructor in 1936. Prior to that time he had served as Assistant and Associate Professor at Ball State College from his graduation in 1931 until he returned to his alma mater. In 1942 he was promoted to Assistant Professor at this University and by 1948 he had earned the rank of full Professor.

As a faculty member, he served the department and its students well. He taught a variety of courses and made an important contribution to keeping the department functioning and on an even keel during the war years. He was much involved in the intellectual and administrative life of the department.

Dr. Heimberger was selected in 1945 to begin what was to become a distinguished career in university administration. The department's loss was the University's gain. Dr. Heimberger distinguished himself as Acting Secretary, Assistant Dean and Dean of the College of Arts and Sciences and beginning in 1951 until his retirement in 1964 as Vice President. It can clearly be said that Dr. Heimberger was an administrator who had a considerable and positive impact on the development of this University.

It is fitting testimony to his contribution that 18 years after his retirement, the *Columbus Citizen Journal* in an editorial praised his role in the defense of academic freedom. Dr. Heimberger was honored by the American Association of University Professors for his devotion to this cause. Given the difficult times and the cross pressures of high administrative office, these were perhaps his finest hours and a legacy to be remembered. As an administrator, he never forgot that he was a faculty member first.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

October 1, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Donald J. Hoff

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 25, 1982, of Donald Jerome Hoff, Professor Emeritus in the Department of Agronomy.

Dr. Hoff was born in Cherhill, Alberta, Canada, in 1922. His early years on a wheat and cattle farm in Canada provided a background that was exceedingly helpful in his professional career. Upon completion of high school in Edmonton, Canada, he served for three years in the Canadian army with participation in the African and Italian Campaigns of World War II. He earned a Bachelor of Science in Agriculture degree in 1951 and a Master of Science degree in Soils in 1953, both at the University of Alberta. He received the Doctor of Philosophy degree from The Ohio State University in 1956. Don became an Assistant Professor in the OSU Department of Agronomy in 1956 and was promoted to Associate Professor in 1961 and Professor in 1966.

From 1956 to 1959, Dr. Hoff conducted research on soil fertility and crop production at the Ohio Agricultural Research and Development Center at Wooster. During the following four years, he served as Soil Scientist with the OSU Educational and Research Mission to India. He was located at the College of Agriculture in Udaipur where he was advisor to the Soil Chemistry Department. Upon returning to Ohio, Dr. Hoff continued his research on soil fertility with particular emphasis on manganese effects on soybean production. In addition, he taught courses in soil fertility, soil erosion and soil management. These courses brought him into contact with hundreds of students who will long remember him for his dynamic and inspired teaching. Dr. Hoff served as Director of The Ohio State University Soil Testing Laboratory in 1966.

Dr. Hoff had a broad knowledge of tobacco production and was also widely recognized for his leadership in soil fertility research on various crops. He published research papers in several scientific journals and was particularly noted for his use of the Composite Design in his research.

Don was a member of the American Society of Agronomy, Soil Science Society of America, International Soil Science Society and the American Association for the Advancement of Science. He was named a fellow of the latter society in 1964.

Those who worked closely with Don, respected his personal integrity, his devotion to his work, his pride in his teaching and research, and his warmth and kindness. He will be long remembered for his excellence in teaching and his emphasis on the fundamental concepts of learning.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

October 1, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

W. Lloyd Sprouse

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 17, 1982, of W. Lloyd Sprouse, Director of Admissions Emeritus.

Dr. Sprouse was born on January 20, 1896, in Georgetown, Ohio. He received his Bachelor of Arts degree from Ohio University in 1921. He later attended The Ohio State University and received his Master of Arts degree in 1928 and his Doctor of Philosophy degree in 1940.

Dr. Sprouse served as a high school administrator from 1921 through 1938. He served as a principal in Mannington, West Virginia; Kenton, Ohio; and Logansport, Indiana, where he also was superintendent of schools.

Dr. Sprouse's career in higher education began as a member of the faculty at the University of Buffalo and later at the University of Rochester where he became Assistant Professor of Education. He returned to Ohio in 1944 as Director of the Division of Instruction for the Department of Education of the State of Ohio.

In 1957, Dr. Sprouse was appointed University Examiner at The Ohio State University, a title that was changed to Director of Admissions in 1962. Initially, he was appointed as Assistant University Examiner in 1946. During the post World War II era, the student enrollment at The Ohio State University increased from approximately 12,000 to more than 40,000. Dr. Sprouse will be remembered for his administrative leadership in effectively managing the admission of the "tidal wave" of all students to the University during this unprecedented growth in student enrollment. He retired in 1966 and was recognized with title, Director of Admissions Emeritus.

Dr. Sprouse was involved in numerous professional and community groups. He was an active member of Phi Delta Kappa and the American Association of Collegiate Registrars and Admissions Officers and served the Methodist Church at the local level at Circleville, Ohio, as well as the District and State levels. He was a veteran of World War I serving with the Army Engineers in France and took part in the Argonne Drive.

Dr. Sprouse exemplified the ideal of integrity in the sensitive role of an admissions officer and was a dedicated administrator of the University. His wit and charm and his compassion for friends and colleagues were his hallmarks.

On behalf of the University, the Board of Trustees expresses to the family of Dr. Sprouse its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University, and his many friends and associates have sustained.

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October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-44

*Synopsis: The reports on contracts, grants, and gifts and the summary for August are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

**NOW THEREFORE**

**BE IT RESOLVED**, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of August 1982, be approved.

Upon motion of Mr. Havens, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR AUGUST 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	89	\$8,379,400.63
Engineering Experiment Station	23	187,297.00
Ohio Agricultural Research and Development Center	4	95,471.00
		\$8,662,168.63

**Office of Business and Finance**

**Establishment of Named Fund**

The Ohio State University Name and Seal Scholarship Fund (Scholarships)	\$ 50,000.00
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October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR AUGUST 1982 (contd)**

The Ohio State University Development Fund

**Establishment of Named Funds**

The Harold E. Collins Scholarship Fund (Scholarships--U. S. citizens majoring in science)	\$ 460,064.16
Doctors Milton M. and Harriet H. Parker Fund for Psychiatry and Human Genetics (College of Medicine and Department of Psychiatry)	\$ 25,423.99
The Ray W. Poppleton Memorial Fund (College of Medicine)	\$ 25,000.00
The Billy Amicon Memorial Fund (Golf program)	\$ 10,000.00
The Human Nutrition and Food Manage- ment Endowment Fund (Department of Human Nutrition and Food Management)	\$ 5,607.50

**Report from Presidents Club**

Members to date	4,555
1982 members: year to date	91
New members - August 1982	4

**New Presidents Club Members - August 1982**

Barbara M. Landolfi  
Harold A. McMaster

Mark E. Meyers  
Michael I. Para

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$3,500,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1982 through 30 September 1983. (Project 760081 - Continuation)

\$482,437.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Spinal Cord Injury Research Center, Department of Surgery (W. E. Hunt and M. S. Beattie), Department of Anatomy (J. S. King and J. C. Bresnahan), Department of Physiology (D. H. Noyes and B. T. Stokes), Department of Physiological Chemistry (L. A. Horrocks), Department of Medicine (N. R. Clendenon), and Department of Pathology (A. J. Yates), 1 September 1982 through 31 August 1983. (Project 763358 - Continuation)

\$400,000.00 - National Science Foundation, Washington, D. C., Charge Transfer at Interfaces, Department of Physics (J. C. Garland), 15 July 1982 through 31 July 1983. (Project 763216 - New)

\$373,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant, Rockville, Maryland, The Ohio Sea Grant Program - 1982-1983, Center for Lake Erie Area Research (C. E. Herdendorf and J. M. Reutter), 1 September 1982 through 31 August 1983. (Project 762833 - Continuation)

\$300,000.00 - National Science Foundation, Washington, D. C., Nuclear Physics at Low and Intermediate Energies, Including Investigations of Fundamental Symmetries and Nuclear Astrophysics, Department of Physics (T. R. Donoghue, R. N. Boyd, S. L. Blatt, H. J. Hausman, and E. R. Sugarbaker), 1 May 1982 through 30 April 1983. (Project 763126 - Continuation)

\$153,436.00 - Environmental Protection Agency, Region V, Chicago, Illinois, Lake Erie Monitoring Program: Main Lake Water Quality and Cladophora, Center for Lake Erie Area Research (C. E. Herdendorf) and Department of Civil Engineering (R. Stiefel), 1 July 1982 through 30 June 1983. (Project 762280 - Continuation)

\$108,956.00 - National Science Foundation, Washington, D. C., Study of Modified Carbon/Graphitic Surfaces for Electrocatalysis, Department of Chemistry (T. Kuwana), 1 August 1982 through 31 July 1983. (Project 762782 - Continuation)



October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$106,867.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathology of Mitochondria in Ischemic Myocardium, Department of Physiological Chemistry (G. P. Brierley), 1 July 1982 through 30 June 1983. (Project 761229 - Continuation)

\$102,000.00 - Environmental Protection Agency, Washington, D. C., Application of Recombinant DNA Technology to Methane Biogenesis, Department of Microbiology (J. N. Reeve), 1 September 1982 through 31 August 1984. (Project 763263 - New)

\$101,017.00 - Department of Education, Office of Educational Research and Improvements, Office of Libraries and Learning Technologies, Washington, D. C., American Fiction 1901-1925: Collection Strengthening and Creation of a National Bibliographic Record, University Libraries (W. J. Studer), 1 January 1983 through 31 March 1984. (Project 763243 - New)

\$98,276.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Glycerophospholipid Metabolism in the Brain, Department of Physiological Chemistry (L. A. Horrocks and K. E. Richardson), 1 August 1982 through 31 July 1983. (Project 760039 - Continuation)

\$94,700.00 - Department of Agriculture, Arlington, Virginia, Free-Energy Storage in Photosynthesis, Department of Biochemistry (R. T. Ross), 1 July 1982 through 30 June 1983. (Project 763246 - New)

\$90,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Matching Formula Title XII University Strengthening Grant, Office of International Programs in Agriculture (D. O. Hansen), 1 September 1982 through 31 August 1983. (Project 761863 - Continuation)

\$90,000.00 - National Science Foundation, Washington, D. C., Mechanisms of Nucleoside Kinase Regulation, Department of Biochemistry (D. H. Ives), 15 September 1982 through 31 August 1984. (Project 763258 - New)

\$90,000.00 - National Science Foundation, Washington, D. C., Nuclear Physics at Low and Intermediate Energies, Including Investigations of Fundamental Symmetries and Nuclear Astrophysics, Department of Physics (T. R. Donoghue, R. N. Boyd, S. L. Blatt, H. J. Hausman, and E. R. Sugarbaker), 18 August 1982 through 30 April 1983. (Project 763126 - Continuation)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$88,530.00 - Department of Transportation, Urban Mass Transportation Administration, Washington, D. C., A Training Course to Upgrade Urban Mass Transit Management, The National Center for Research in Vocational Education (R. E. Taylor), 5 July 1982 through 31 July 1983. (Project 763225 - New)

\$75,598.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Intestinal Secretion Neurochemical Receptor Mechanisms, College of Pharmacy (L. J. Wallace), 1 September 1982 through 31 August 1983. (Project 761266 - Continuation)

\$67,287.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, The Neural Control of Temperature Regulation, Department of Physiology (J. A. Boulant), 1 September 1982 through 31 August 1983. (Project 761187 - Continuation)

\$67,282.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland,  $^{17}\text{O}$  and  $^{31}\text{P}$  NMR of Biophosphates, Department of Chemistry (M. D. Tsai), 1 August 1982 through 31 July 1983. (Project 763228 - New)

\$62,608.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Prolactinomas: *In Vivo* and *In Vitro* Studies, Department of Medicine (W. B. Malarkey), 1 August 1982 through 30 June 1983. (Project 763223 - New)

\$59,373.00 - National Science Foundation, Washington, D. C., Soil Hydrology and Nutrient Dynamics in Tussock Tundra, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 15 July 1982 through 14 June 1983. (Project 763207 - New)

\$55,803.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Biotransformations of Estrogens and Cancer, College of Pharmacy (R. W. Brueggemeier), 1 July 1982 through 30 June 1983. (Project 762304 - Continuation)

\$51,049.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bureau of Community Health Services, Rockville, Maryland, Development and Validation of an Interdisciplinary Screening Tool, Nisonger Center for Mental Retardation (W. E. Loadman and F. A. Benson), 1 October 1982 through 30 September 1983. (Project 762390 - Continuation)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$49,016.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Thymidylate Synthetase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 September 1982 through 31 August 1983. (Project 762903 - Continuation)

\$47,189.00 - Defense Intelligence Agency, Washington, D. C., Factors of Leadership in Sub-Saharan Africa, Mershon Center for Education in National Security (C. F. Hermann), 15 September 1982 through 15 March 1983. (Project 763233 - New)

\$44,091.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Learning in Brain-Damaged Human Infants and Animals, Department of Psychology (G. G. Berntson), 1 July 1982 through 30 June 1983. (Project 762736 - Continuation)

\$40,075.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion: Human and Animal Studies, Department of Otolaryngology (D. J. Lim), 1 September 1982 through 30 November 1982. (Project 760043 - Continuation)

\$38,950.00 - National Science Foundation, Washington, D. C., Microcomputer Control of Machine Tool Feed Drives, Department of Mechanical Engineering (K. Srinivasan), 1 October 1982 through 30 September 1983. (Project 762809 - Continuation)

\$35,000.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Ohio State-Purdue Program at the Pushkin Institute, Moscow, USSR, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 1 August 1982 through 30 April 1983. (Project 763226 - New)

\$35,000.00 - National Science Foundation, Washington, D. C., Characterization of Tegumentary Membrane-Bound Enzymes of Gastrointestinal Parasites, Department of Zoology (R. W. Pappas), 1 November 1981 through 31 October 1983. (Project 762358 - Continuation)

\$34,217.00 - National Science Foundation, Washington, D. C., The Systematics and Evaluation of the *Ulotrichales* (Chlorophyta), Department of Botany (G. L. Floyd and C. J. O'Kelly), 1 September 1982 through 31 August 1984. (Project 763238 - New)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$34,200.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, TCM Replacement, Department of Civil Engineering (A. J. Rubin), 1 August 1982 through 21 August 1983. (Project 762682 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 July 1982 through 30 September 1982. (Project 762612 - Continuation)

\$28,607.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, The Effects of Fatigue on Cockpit Communication and Resource Management, Department of Aviation (R. S. Jensen and A. Lerch), 1 August 1982 through 30 November 1982. (Project 763247 - New)

\$28,000.00 - National Science Foundation, Washington, D. C., Wave Dynamics in Curved and in Flat Space-Times, Department of Mathematics (U. H. Gerlach), 1 August 1982 through 31 July 1984. (Project 763234 - Continuation)

\$19,034.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Environmental and Genetic Effects on Gravity Receptors: A Morphological, Physiological and Behavioral Study, Department of Otolaryngology (D. J. Lim), 1 July 1982 through 31 December 1982. (Project 760657 - Continuation)

\$15,000.00 - Department of Energy, Argonne, Illinois, University Reactor Sharing Program, Engineering Experiment Station (B. K. Hajek), 1 September 1982 through 31 August 1983. (Project 762411 - Continuation)

\$14,000.00 - Department of Defense Dependent Schools, Panama City, Panama, Teacher's Manual in Gifted and Talented Education, Academic Faculty of Exceptional Children (R. H. Swassing), 18 July 1982 through 1 May 1983. (Project 763239 - New)

\$9,993.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Analysis of Airborne Antenna Patterns, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 July 1982 through 28 February 1983. (Project 761012 - Continuation)

\$9,582.00 - National Science Foundation, Washington, D. C., Ovarian Control of Parturition and Postpartum Estrus in the Tamar Wallaby, Department of Zoology (J. D. Harder), 1 August 1982 through 31 July 1983. (Project 763249 - New)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$8,219.00 - National Science Foundation, Washington, D. C., Microparticle Analysis and Glaciological Interpretation of the 500-m Ice Core, South Pole Antarctica, Institute of Polar Studies (D. H. Elliot, E. Mosley-Thompson, and L. Thompson), 1 October 1982 through 30 September 1983. (Project 762875 - Continuation)

\$6,950.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Role of Glycolipids in Glioma Resistance to Cytolysis, Department of Pathology (A. J. Yates), 1 February 1982 through 31 January 1983. (Project 762989 - Continuation)

\$6,500.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Technical Assistance to U. S. AID Mission, Honduras, Department of Agricultural Economics and Rural Sociology (D. H. Graham), 1 April 1982 through 30 September 1982. (Project 763222 - New)

\$5,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Measurements of Chromospheric Densities and Geometrical Extensions of Late-Type Giants and Supergiant Stars, Department of Astronomy (R. F. Wing), 1 September 1982 through 31 August 1983. (Project 763257 - Continuation)

\$2,951.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 August 1982 through 31 August 1982. (Project 761628 - Continuation)

\$2,656.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthetic Elaboration of Polyquinane Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1982 through 30 June 1983. (Project 762298 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$7,162,449.00**

State of Ohio Research Contracts/Grants

\$21,800.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Graduate Training Program in Psychology, Department of Psychology (H. L. Mirels), 1 July 1982 through 30 June 1983. (Project 762865 - Continuation)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$21,130.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Medicine (S. P. Balcerzak), 1 July 1982 through 30 June 1983. (Project 762760 - Continuation)

\$16,500.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Graduate Training Program in Social Work, College of Social Work (T. Meenaghan), 1 July 1982 through 30 June 1983. (Project 762864 - Continuation)

\$14,449.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Tyrosine for Hyperkinesis, Department of Psychiatry (L. E. Arnold), 1 August 1982 through 30 June 1983. (Project 763240 - New)

\$12,416.00 - Ohio Arts Council, Columbus, Ohio, Public Film/Video Exhibition in Columbus 1982-83, Department of Photography and Cinema (J. R. Green), 1 July 1982 through 30 June 1983. (Project 763254 - Continuation)

\$2,875.00 - Ohio Arts Council, Columbus, Ohio, Public Presentations by Photographers, Department of Photography and Cinema (J. R. Green), 1 July 1982 through 30 June 1983. (Project 763252 - Continuation)

\$2,722.00 - The Ohio Program in the Humanities, Columbus, Ohio, Broadcast of the 1982 Boyd H. Bode Memorial Lecture, Telecommunications Center (D. K. Ouzts), 5 April 1982 through 31 May 1982. (Project 763070 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS                      \$    91,892.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$330,091.00 - Pennwalt Corporation, King of Prussia, Pennsylvania, Genetic Improvement of Biological Pesticides, Departments of Microbiology and Genetics (D. H. Dean), 1 September 1982 through 31 August 1985. (Project 763256 - New)

\$107,304.00 - Syntex (USA), Palo Alto, California, Evaluation of LH/FSH-RH Analog in Female Baboons, Department of Obstetrics and Gynecology (V. C. Stevens), 1 May 1980 through 29 June 1983. (Project 763237 - New)

\$86,990.00 - The Analytic Sciences Corporation, Reading, Massachusetts, Navigation System Simulation, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 1 September 1982 through 30 September 1983. (Project 762842 - Continuation)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$74,000.00 - International Business Machines Corporation, White Plains, New York, Generic Instrumentation, College of Pharmacy (C. L. Olson and J. M. Jagadeesh), 1 June 1982 through 31 May 1983. (Project 762771 - Continuation)

\$73,130.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 22 July 1982 through 31 December 1982. (Project 760982 - Continuation)

\$63,435.00 - Muscular Dystrophy Association, New York, New York, Clinical Investigation of Duchenne Dystrophy, Department of Medicine (J. R. Mendell), 1 July 1982 through 30 June 1983. (Project 761360 - Continuation)

\$63,029.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination, Department of Microbiology (H. R. Blackwell), 1 July 1982 through 31 August 1983. (Project 760716 - Continuation)

\$50,000.00 - The Aerospace Corporation, Los Angeles, California, Antenna and Radome Analysis and Design, Department of Electrical Engineering, Electro-Science Laboratory (R. C. Rudduck), 1 October 1982 through 31 December 1983. (Project 762637 - Continuation)

\$45,548.00 - The Alaska Council on Science and Technology, Juneau, Alaska, Arctic Alaska Soils Data Base, Institute of Polar Studies (K. R. Everett), 1 August 1982 through 31 January 1984. (Project 763253 - New)

\$39,208.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Interdisciplinary Study of Basic Wear Mechanisms in Metals, Department of Metallurgical Engineering (D. A. Rigney), 15 April 1982 through 14 April 1983. (Project 763066 - New)

\$28,600.00 - Southern Illinois University at Carbondale, Carbondale, Illinois, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1982 through 31 August 1983. (Project 763245 - Continuation)

\$24,834.69 - Nine Members of the National Alliance, National Alliance of Post-secondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 30 June 1983. (Project 763137 - Continuation)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$18,000.00 - Central Ohio Heart Chapter, Inc., Columbus, Ohio, Vascular Changes in Placental Bed in Hypertensive Pregnancy, Department of Obstetrics and Gynecology (R. W. O'Shaughnessy), 1 October 1982 through 30 September 1983. (Project 763244 - New)

\$14,175.00 - San Jose State University Foundation, San Jose, California, Theoretical Analysis of Impurity Band Broadening and Bandgap Narrowing in Semiconductor Materials, Department of Physics (L. C. Brown), 1 June 1982 through 30 September 1982. (Project 762740 - Continuation)

\$12,817.00 - Morris Animal Foundation, Englewood, Colorado, The Effects of Feline Leukemia Virus on the Proliferation of Bone Marrow Erythroid Progenitors, Department of Veterinary Pathobiology (G. J. Kociba), 1 August 1982 through 31 July 1983. (Project 763248 - New)

\$12,000.00 - Ross Laboratories, Columbus, Ohio, Blue Cross of Central Ohio, Columbus, Ohio, and Children's Hospital, Columbus, Ohio, Community Program for Affordable Health Care Proposal, School of Allied Medical Professions (S. F. Loeb), 15 July 1982 through 15 October 1982. (Project 763230 - New)

\$11,685.00 - Adria Laboratories, Inc., Columbus, Ohio, Synthesis of Novel Anthracycline Glycosides, Department of Chemistry (D. Horton), 1 October 1982 through 30 September 1983. (Project 762866 - Continuation)

\$8,540.00 - University of Cincinnati, Cincinnati, Ohio, Area Health Education Centers Program (AHEC) Allied Medicine Support, College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1981 through 30 September 1982. (Project 762889 - Continuation)

\$7,700.00 - American Heart Association, Dallas, Texas, Antiallergic Actions of New Trimetoquinol Analogs, *in Vivo*, College of Pharmacy (D. R. Feller), 1 August 1982 through 30 June 1983. (Project 763242 - New)

\$6,165.00 - Malaysian Ministry of Education, Kuala Lumpur, Malaysia, In-Service Workshop for Malaysian Teacher Educators, Academic Faculty of Educational Foundations and Research (F. R. Cyphert and J. W. Altschuld), 9 August 1982 through 31 October 1982. (Project 763231 - New)

\$5,325.00 - Cancer Therapy and Research Center, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Medicine (S. P. Balcerzak), 1 June 1982 through 30 November 1982. (Project 763227 - New)



October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$4,625.00 - Iowa State University of Science and Technology, North Central Regional Center for Rural Development, Ames, Iowa, Development of a Solid Waste Economic Planning Model, Cooperative Extension Service - State Operations (J. D. Rohrer), 1 August 1982 through 30 September 1983. (Project 763259 - New)

\$4,393.00 - International Training and Education Company, Framingham, Massachusetts, Development of "Clerk General Level I" Curriculum, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1982 through 30 September 1982. (Project 763014 - Continuation)

\$4,370.00 - Insulation Industry's National Apprenticeship and Training Fund, Washington, D. C., Instructor Training Workshop-Insulation Industry's National Apprenticeship and Training Fund, The National Center for Research in Vocational Education (R. E. Taylor), 4 September 1982 through 31 October 1982. (Project 763250 - New)

\$3,925.94 - North Atlantic Treaty Organization, Brussels, Belgium, Parity Non-Conservation in Nuclei and Nuclear Astrophysics, Department of Physics (T. R. Donoghue), 1 April 1982 through 31 March 1983. (Project 763221 - New)

\$3,714.00 - Cincinnati Resource Development Committee, Cincinnati, Ohio, Data Inventory of Vocational Education in Cincinnati Public Schools and Great Oaks Area Vocational School, The National Center for Research in Vocational Education (R. E. Taylor), 1 August 1982 through 31 August 1982. (Project 763224 - New)

\$3,200.00 - Schering Corporation, Kenilworth, New Jersey, Banamine Irritation Study, Department of Veterinary Clinical Sciences (M. Wyman), 1 August 1982 through 30 September 1982. (Project 763235 - New)

\$3,077.00 - Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Aging and GI Disease on Digoxin Metabolism, College of Pharmacy (R. H. Reuning), 1 October 1982 through 30 September 1983. (Project 763120 - Continuation)

\$3,000.00 - Western Electric Co., Inc., Dublin, Ohio, Analysis of Text Processing Center, Academic Faculty of Vocational-Technical Education (W. D. Dowling), 13 July 1982 through 31 July 1982. (Project 763229 - New)

\$2,950.00 - National Alliance of Business, Columbus, Ohio, Career Guidance Institute, Academic Faculty of Special Services (J. J. Quaranta), 1 January 1982 through 30 June 1982. (Project 763236 - Continuation)

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$2,950.00 - National Alliance of Business, Columbus, Ohio, Career Guidance Institute, Academic Faculty of Special Services (J. J. Quaranta), 1 August 1982 through 31 July 1983. (Project 763232 - Continuation)

\$2,108.00 - Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Aging and GI Disease on Digoxin Metabolism, College of Pharmacy (R. H. Reuning), 1 October 1982 through 30 September 1983. (Project 763120 - Continuation)

\$1,750.00 - Monsanto Co., Monsanto Research Corp., Dayton, Ohio, Radio-nuclides in Coal Samples, Department of Botany (G. E. Gilbert), 12 July 1982 through 1 October 1982. (Project 763251 - New)

\$1,278.00 - Alverno College, Milwaukee, Wisconsin, Alverno College Technical Assistance Agreement, Department of Psychology (M. D. Hakel), 1 April 1982 through 30 September 1982. (Project 763241 - New)

\$680.00 - Ohio Wesleyan University, Delaware, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 15 August 1982 through 30 June 1983. (Project 763170 - Continuation)

\$462.00 - International Masonry Institute, Washington, D. C., Technical Assistance for the International Masonry Institute, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 31 July 1982. (Project 768041 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,125,059.63**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$59,000.00 - Electric Power Research Institute (EPRI), Transmission Grounding Task I: Performance Model Tests, Department of Electrical Engineering, September 1, 1982 through August 31, 1983. (EES 529621, Extension 3)

\$128,297.00 - Twenty-two sponsors for 22 development projects under the direction of five engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$ 187,297.00**

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

Federal Contracts/Grants

\$40,000.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, continued support of a study on evolution of leafhoppers and stunting pathogens with maize and its ancestors, Department of Entomology, July 1, 1982 to June 30, 1983. (Contract No. 81-CRCR-1-646)

\$38,671.00 - Agricultural Research Service, U. S. Department of Agriculture, Peoria, Illinois, continued support of a study on evaluation tests of soft winter wheat, Department of Agronomy, September 1, 1982 to August 31, 1983. (Contract No. 58-519B-1-1101)

TOTAL - FEDERAL CONTRACTS/GRANTS \$78,671.00

Gifts of \$5,000 or More

\$ 10,800.00 Union Carbide - Agricultural Products, Inc., Research Triangle Park, North Carolina

\$ 6,000.00 Dow Chemical Company, Cincinnati, Ohio

TOTAL - GIFTS \$16,800.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$595,000.00 Trust Under the Will of William Skou, Akron, Ohio: \$500,000.00 for William J. Skou Scholarship Fund and \$95,000.00 for Skou Faculty Enrichment Fund.

\$ 58,750.00 Trust Under the Will of Anna Roessler, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.

\$ 50,000.00 Procter & Gamble, Cincinnati, Ohio: \$10,000.00 for Chemical Engineering Support Fund; \$10,000.00 for Marketing Support Fund; \$7,500.00 for Mechanical Engineering Support Fund; \$5,000.00 for Chemistry Discretionary Fund; \$5,000.00 for Journalism Special Fund; \$5,000.00 for Procter & Gamble President's Discretionary Fund; \$2,500.00 for Accounting Special Fund; \$2,500.00 for Electrical Engineering Special Fund; and \$2,500.00 for Elvin F. Donaldson Fund.

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$ 50,000.00 The Spencer Foundation, Chicago, Illinois, for Spencer Education Scholarship Fund.
- \$ 46,251.09 Guy Jackson, Chicago, Illinois, for OSU National Merit Scholarship Fund.
- \$ 21,600.00 Trustees of Lingnan University, New York, New York, for OSU Campaign for China Exchange Fund.
- \$ 20,000.00 McDonnell Douglas Corporation, St. Louis, Missouri, for SDRC (Structural Dynamics Research Corporation) Fund.
- \$ 20,000.00 Miles Laboratories, Incorporated, DomeLab Division, West Haven, Connecticut, for Antibiotic Research Fund--Dr. Fass.
- \$ 18,002.00 Edwin & Julia Dodd Fund No. 2 of the Cleveland Foundation, Cleveland, Ohio for furtherance in extension work in Cuyahoga County Fund.
- \$ 15,871.00 Dow Chemical USA, Midland, Michigan: \$6,000.00 for Plant Pathology Special Fund; \$5,000.00 for Chemical Engineering Support Fund; \$3,000.00 for Dow Research Fellowship Fund; \$1,000.00 for Electrical Engineering Special Fund; \$250.00 for Veterinary Medicine Education and Research Fund; \$250.00 for Veterinary Pathobiology Research and Development Fund; \$100.00 for Henry H. Blau Memorial Fund; \$100.00 for undesignated purposes; \$75.00 for Home Economics' Programs Fund; \$60.00 for Engineering College Special Fund; and \$36.00 for Friends of WOSU Fund.
- \$ 15,000.00 Coop Power, Incorporated, Columbus, Ohio, for Museum of Zoology Fund.
- \$ 14,725.92 Retinal Consultants, Incorporated, Columbus, Ohio, for Retina Research Fund.
- \$ 14,720.72 University Eye Surgeons, Inc., Columbus, Ohio: \$14,600.00 for Eye Bank Fund and \$120.72 for Ophthalmology Photography Fund.
- \$ 12,525.00 Bethlehem Steel, Bethlehem, Pennsylvania: \$6,500.00 for Mechanical Engineering Coal Combustion Fund; \$6,000.00 for Bethlehem Steel Fund; and \$25.00 for Friends of WOSU Fund.

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 12,000.00 Rohm & Haas Company, Philadelphia, Pennsylvania, for Rohm & Haas Chemical Engineering Fund.
- \$ 11,097.07 Trust Under the Will of Melvin Moffitt, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.
- \$ 10,965.89 Systems Associates, Columbus, Ohio: \$10,299.89 for Cardiology Support Fund and \$666.00 for Pacemaker Development Fund.
- \$ 10,000.00 Elliott & Williams Roses, Dover, New Hampshire, for Alex Laurie Fellowship Fund of the Ohio Florists' Association.
- \$ 10,000.00 Ohio Cancer Research Association, Columbus, Ohio, for Cancer Research Center Fund.
- \$ 10,000.00 Worthington Industries, Worthington, Ohio, for Student-Athlete Grant-in-Aid Fund.
- \$ 9,134.26 Kaplan Halpert Foundation, Incorporated, Columbus, Ohio, for James M. George Fund.
- \$ 8,581.05 Trust Under the Will of Carl Baldwin, Columbus, Ohio, for Carl and Grace Baldwin Eye Care Fund.
- \$ 8,000.00 Union Carbide Corporate Foundation, New York, New York, for Union Carbide Corporation Fund.
- \$ 7,000.00 Central Ohio Center for Economic Education, Columbus, Ohio, for Economic Education Fund.
- \$ 7,000.00 Standard Oil Company, Cleveland, Ohio, for Geology and Mineralogy Fellowship Fund.
- \$ 6,000.00 Eli Lilly & Company, Indianapolis, Indiana, for Lilly Research Fund--Dr. Hart.
- \$ 6,000.00 The Horsburgh & Scott Company, Cleveland, Ohio, for Gear Dynamics Laboratory Fund.
- \$ 6,000.00 International Fertilizer Development Center, Muscle Shoals, Alabama, for International Fertilizer Development Center Fertilizer Research Fund.

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$ 6,000.00 Pharmaceutical Manufacturers Association Foundation, Washington, D. C., for Pharmaceutical Manufacturers Association Fellowship Fund.
- \$ 5,438.74 Eye Physicians & Surgeons, Columbus, Ohio, for Ophthalmology Teaching Fund.
- \$ 5,300.00 Shell Companies Foundation, Houston, Texas: \$2,200.00 for Engineering College Special Fund; \$2,000.00 for SDRC (Structural Dynamics Research Corporation) Fund; \$650.00 for undesignated purposes; \$300.00 for Ag-Econ Fund; \$100.00 for Mars G. Fontana Endowment Fund; and \$50.00 for Seelbach Family Fund.
- \$ 5,000.00 CVI Corporation, Columbus, Ohio, for ISE (Industrial Systems Engineering) Advancement Fund.
- \$ 5,000.00 Kalmbach Feeds, Incorporated, Upper Sandusky, Ohio, for Kalmbach Family Scholarship Fund.
- \$ 5,000.00 Mobil Foundation, New York, New York, for Mechanical Engineering Coal Combustion Fund.
- \$ 5,000.00 John C. Patton Fund of the Columbus Foundation, Columbus, Ohio, for Cullman Symposium Fund.

**OFFICE OF BUSINESS AND FINANCE**

**Establishment of Named Funds**

**The Ohio State University Name and Seal Scholarship Fund**

Funds in the amount of \$50,000 have been made available as a result of royalty income from the University's Name and Seal Licensing Program, as authorized at the September 6, 1974 meeting of the Board of Trustees. These funds and any subsequent funds made available for this purpose are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

As specified in the resolution adopted by the Board in 1974, funds received through the licensing of the use of the University's identifying marks are to be used to supplement this University's scholarship funds. An appropriate budget account has been so designated to receive these funds.

October 1, 1982 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### OFFICE OF BUSINESS AND FINANCE (contd)

#### Establishment of Named Funds (contd)

##### The Ohio State University Name and Seal Scholarship Fund (contd)

Students who have demonstrated academic ability and the need for financial assistance shall receive first consideration for scholarships awarded from this fund. Awards are to be made from the interest income accrued in the budget account. Selection of the recipient(s) and authorization of expenditures from the fund are to be made jointly by the University Scholarship Committee and the Office of Business and Finance.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the licensing of the University's identifying marks.

September 6, 1974

#### Use of University's Name and Seal

Action was initiated in November, 1973 by the Vice President for Business and Administration to cause to be registered with the United States Patent Office the name and seal of The Ohio State University, as a means of establishing control over the use of the University's name and seal by persons or organizations not associated with the University or with the State of Ohio.

In so doing the University may now control the use of its name and seal to (1) prevent any use that reflects unfavorably on the University, and (2) provide a supplement to this University's scholarship funds from all funds received through the licensing of the University's name and seal.

President Enarson recommended that the program for the controlled use of the University's name and seal as described be authorized and implemented.

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

#### The Harold E. Collins Scholarship Fund

The Harold E. Collins Scholarship Fund was established October 1, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Harold E. Collins, B.S.Agr. '26, M.S. '29.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Harold E. Collins Scholarship Fund (contd)**

One-half of the annual income is to be used for one or more scholarships for undergraduate students who are U. S. citizens and majoring in science. Recipients are to be selected by the University Committee on Student Financial Aids. The remaining one-half income is to be added to the principal of the fund each year.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given for support of the sciences at the University.

**Doctors Milton M. and Harriet H. Parker Fund for Psychiatry and Human Genetics**

The Doctors Milton M. and Harriet H. Parker Fund for Psychiatry and Human Genetics was established October 1, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Harriet H. Parker, B.A. '32, M.S. '33, Ph.D. '36; and her husband, Milton M. Parker, M.A. '36, Ph.D. '39, M.D. '43, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for research, teaching and treatment in psychiatry and human genetics. All expenditures are to be approved by the Chairman of the Department of Psychiatry and the Dean of the College of Medicine.

Should the need for this application of the funds cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for psychiatry and human genetics education.

**The Ray W. Poppleton Memorial Fund**

The Ray W. Poppleton Memorial Fund was established October 1, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Ethel V. Poppleton, B.A. '18, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.



October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Ray W. Poppleton Memorial Fund (contd)**

The annual income is to be used by the College of Medicine to provide grants for research and the advancement of medical knowledge in the areas of orthopedics and diseases of the spinal cord. The selection of the recipient(s) of the annual grant shall be made upon the recommendation of the Dean of the College of Medicine.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees of the University with preference being given to recommendations from the appropriate administrative officials of the University who are then responsible for administering programs of research in the College of Medicine.

**The Billy Amicon Memorial Fund**

The Billy Amicon Memorial Fund was established October 1, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund in memory of Billy Amicon, Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used in support of any facet of the University golf program such as intramurals, varsity or other related activities with determination at the discretion of the University Director of Athletics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the appropriate administrative official of the University who is then directly responsible for intercollegiate athletics and/or intramural or recreation programs.

**The Human Nutrition and Food Management Endowment Fund**

The Human Nutrition and Food Management Endowment Fund was established October 1, 1982, by the Board of Trustees of The Ohio State University with gifts from alumni and friends of the Department of Human Nutrition and Food Management of the School of Home Economics.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as the case dictates.

October 1, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Human Nutrition and Food Management Endowment Fund (contd)**

The annual income is to be used to further programs in the Department of Human Nutrition and Food Management that are selected by the Chairperson upon the recommendation of an advisory committee within the department.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for the School of Home Economics.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS**

**ENERGY MODIFICATIONS TO JOURNALISM BUILDING,  
MACQUIGG LABORATORY, VETERINARY HOSPITAL,  
UNIVERSITY HALL, HOWLETT HALL, AND ROBINSON LABORATORY**

Resolution No. 83-45

*Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.*

WHEREAS numerous repairs and alterations to existing heating, ventilating and air conditioning systems in the Journalism Building, MacQuigg Laboratory, Veterinary Hospital, University Hall, Howlett Hall, and Robinson Laboratory are necessary to eliminate energy waste and excessive equipment operation; and

WHEREAS \$88,500 has been appropriated from Budget Account 210134 (Contract Repair) for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Finance be authorized to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance be authorized to request construction bids on this project in accordance with established University

October 1, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**ENERGY MODIFICATIONS TO JOURNALISM BUILDING,  
MACQUIGG LABORATORY, VETERINARY HOSPITAL,  
UNIVERSITY HALL, HOWLETT HALL, AND ROBINSON LABORATORY (contd)**

procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-46

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**MARION REGIONAL CAMPUS  
ROAD AND PARKING LOT RENOVATIONS**

Description: Repave the campus entry road and two parking lots; add drains and curbs, including loading dock area; reseal walkways from parking lots; and elevate and drain entry walk to Marion Technical Building.

General Contract

Date Received:	August 12, 1982
No. of Bids:	2
Low Bid:	\$263,992.18*
High Bid:	\$305,845.50*
Estimate of Cost:	\$290,610.40*
Awarded to:	Central Ohio Asphalt Paving, Hilliard, Ohio

\* Recommended alternates reflected in these figures.

October 1, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**MARION REGIONAL CAMPUS  
ROAD AND PARKING LOT RENOVATIONS (contd)**

**Electrical Contract**

Date Received:	August 12, 1982
No. of Bids:	3
Low Bid:	\$ 12,525.00
High Bid:	\$ 17,021.60
Estimate of Cost:	\$ 15,555.00
Awarded to:	Whitaker-Merrell Company, Columbus, Ohio
Total All Contracts:	\$276,517.18
Total Contingency Allowance:	\$ 20,076.38 which is 7 per cent of construction contract
Total Project Cost:	\$362,000.00
Funding:	H.B. 552 Branch Campuses Utilities and Renovation

**FAWCETT CENTER FOR TOMORROW ROOF REPLACEMENT**

Description: Extensive roof repairs to prevent severe water damage to the interior of Fawcett Center for Tomorrow.

**General Contract**

Date Received:	August 25, 1982
No. of Bids:	8
Low Bid:	\$168,000.00
High Bid:	\$277,218.00
Estimate of Cost:	\$370,000.00
Awarded to:	B & J Roofing & Sheet Metal, Inc., Toledo, Ohio
Total Contract:	\$168,000.00
Total Contingency Allowance:	\$ 13,794.00 which is 8 per cent of construction contract

October 1, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**FAWCETT CENTER FOR TOMORROW ROOF REPLACEMENT (contd)**

Total Project Cost:                 \$185,000.00  
Funding:                                 Budget Account 885182 (Local)

**WINDOW REPLACEMENT - PROJECT C (HASKETT HALL)**

Description: Installation of new windows to replace the existing deteriorated and energy inefficient units.

**General Contract**

Date Received:                     August 24, 1982  
No. of Bids:                         3  
Low Bid:                             \$163,674.00\*  
High Bid:                            \$315,791.00\*  
Estimate of Cost:                 \$233,000.00\*  
Awarded to:                         Condit Construction Products, Inc., Columbus, Ohio  
Total Contract:                     \$163,674.00\*  
Total Contingency Allowance: \$ 8,184.84 which is 6 per cent of construction contract  
Total Project Cost:                 \$176,000.00\*  
Funding:                             H.B. 552, Utilities and Renovation,  
  Item 315-074 (1981-83 Biennium)

\*Recommended alternate reflected in these figures.

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 1, 1982 meeting, Board of Trustees

**JOHN HANCOCK MUTUAL LIFE INSURANCE COMPANY  
GROUP LIFE AND HEALTH CARE INSURANCE  
POLICIES 58175-GTC AND 58175-GTC-100**

Resolution No. 83-47

*Synopsis: Changes in group life and health care benefits are proposed.*

WHEREAS the University presently insures certain life and health care benefits for all regular faculty/staff of the University and their eligible dependents under John Hancock group insurance policies 58175-GTC and 58175-GTC-100; and

WHEREAS based on a review and analysis of the University benefits program it has been determined that certain changes/modifications in the John Hancock life and health care coverages should be implemented; and

WHEREAS the changes as proposed have been reviewed with the appropriate administrative offices, the Faculty Compensation and Benefits Committee, and the benefit consulting firm of William M. Mercer, Incorporated; and

WHEREAS it has been recommended that effective October 1, 1982, the following changes be adopted by the University:

	Present	New
Surgical Schedule Maximum Reimbursement	\$800	\$1,200
Maximum Anesthesia Benefit	25% of above	25% of above
Second/Third Surgical Opinion Expense	80% after meeting major medical deductible	100% with no major medical deductible
In-Hospital Medical Expense		
1st Day	\$20	\$30
2nd Day - 4th Day	10	15
5th Day - 120th Day	8	12
Diagnostic Lab and X-Ray Expense	80% after meeting major medical deductible	100% up to \$150 per year per individual in addition to the current benefit entitlement

October 1, 1982 meeting, Board of Trustees

**JOHN HANCOCK MUTUAL LIFE INSURANCE COMPANY  
GROUP LIFE AND HEALTH CARE INSURANCE  
POLICIES 58175-GTC AND 58175-GTC-100 (contd)**

	Present	New
Major Medical Expense other than nervous or mental conditions		
Lifetime Benefit	\$100,000 for covered conditions existing prior to October 1, 1982	\$250,000 for covered conditions existing after October 1, 1982
Individual Deductible	\$50	\$100
Family Deductible	2 members	3 members
The new deductible amount will only apply on October 1, 1982 to faculty/staff members hired after that date. For all others the current deductible shall remain in effect until January 1, 1983 when the \$100 deductible shall become effective.		
Out-of-Pocket Expense	after \$1,000 of covered but unreim- bursed medical expenses, plan pays 100% of covered medical expenses for current year plus 3 additional years	after \$1,000 of covered but unreim- bursed medical expenses, plan pays 100% of covered medical expenses for current year plus one additional year
Continuation of Life Insurance for Disabled Faculty/Staff	to age 70	for three years from date of disability
Routine Infant Examination Expense	no benefit	100% of reasonable and customary charges for 6 health exams following the first six months after birth

**NOW THEREFORE**

**BE IT RESOLVED**, That effective October 1, 1982, the above benefit changes be implemented under group policies 58175-GTC and 58175-GTC-100 as underwritten by John Hancock Mutual Life Insurance Company.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 1, 1982 meeting, Board of Trustees

**OHIO MEDICAL INDEMNITY MUTUAL CORPORATION  
GROUP VISION INSURANCE**

Resolution No. 83-48

*Synopsis: Changes in group vision insurance contract are proposed.*

WHEREAS on February 3, 1978, the Board awarded a contract effective April 1, 1978 to Ohio Medical Indemnity Mutual Corporation for providing group vision insurance to all regular faculty/staff of the University; and

WHEREAS certain changes in the group vision coverages have been proposed and discussed with appropriate administrative offices and the Faculty Compensation and Benefits Committee; and

WHEREAS it has been recommended that effective October 1, 1982 the following changes be adopted by the University:

	Present	New
Vision Exam	\$ 20	\$ 25
Lenses - Per Pair		
Single	20	30
Bifocal	32	40
Trifocal	44	60
Contacts (medically necessary)	150	160
Lifetime Maximum	250	No Limit
Frame	20	25

**NOW THEREFORE**

BE IT RESOLVED, That Ohio Medical Indemnity Mutual Corporation continue to provide the group vision care insurance program at a monthly premium of \$1.63 per faculty/staff member--to be paid by the University. The monthly premium for dependent coverage will be: one additional person, \$1.63; family, \$4.65; these premiums to be paid by the participating faculty/staff members; and

BE IT FURTHER RESOLVED, That this coverage be provided by Ohio Medical Indemnity Mutual Corporation for a two-year period effective October 1, 1982, with premium and performance of the carrier to be reviewed annually and with the insurance contract remaining in force after this two-year term until the Board of Trustees deems it appropriate to seek new quotations.

Upon motion of Mr. Havens, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 1, 1982 meeting, Board of Trustees

**COLUMBUS TELEPORT CORPORATION**

Resolution No. 83-49

*Synopsis: Authorization for the University to participate in the Columbus Teleport Corporation is being requested.*

WHEREAS, The Ohio State University through its Telecommunications Center (WOSU-AM, WOSU-FM and WOSU-TV) is experienced in satellite communications and has provided satellite services to the Columbus community since June, 1978; and

WHEREAS, The Ohio State University has been presented with the opportunity to join with business and industry in the greater Columbus community to form a satellite telecommunications corporation; and which opportunity will provide educational and economic benefits; and

WHEREAS, the President recommended, to the Board of Trustees that it authorize the purchase of shares by the University from development fund monies in a Columbus-based satellite telecommunications corporation to be known as the Columbus Teleport Corporation:

**NOW THEREFORE BE IT RESOLVED**

That the Treasurer of the Board of Trustees be authorized to purchase shares in the amount not to exceed \$35,000.00 from unrestricted gift sources in order to purchase equity shares in Columbus Teleport Corporation in an amount greater than eight percent but less than twenty-five percent of the corporation and that the President and/or Vice President for Business and Finance be authorized to sign the Pre-Incorporation Agreement and Articles of Incorporation upon such terms and conditions as are deemed to be in the best interests of the University.

Upon motion of Mr. Redman, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-50

RESOLVED, That the report on the University's Investment Portfolio, dated September 17, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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October 1, 1982 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, November 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 5, 1982

The Board of Trustees met at its regular monthly meeting on Friday, November 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

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November 5, 1982 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 12:15 p.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

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The meeting of the Board of Trustees reconvened at 1:45 p.m.

**ADOPTION OF OFFICIAL SHIELD FOR COLLEGE OF OPTOMETRY**

Resolution No. 83-51

*Synopsis: Adoption of an official shield for the College of Optometry is recommended.*

WHEREAS various colleges in the health professions at The Ohio State University have "patches" or "shields" symbolic of their colleges/schools; and

WHEREAS other colleges of optometry have such representative emblems; and

WHEREAS the faculty and students of the College of Optometry have developed and approved a design for The Ohio State University College of Optometry which is symbolic of optometry and the University:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the design of the emblematic "patch" or "shield" for the College of Optometry as submitted by the Dean of the College of Optometry; and

BE IT FURTHER RESOLVED, That the original copy of the shield and its description be filed with the official records of the University.

Upon motion of Mr. Galbreath, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT**

Resolution No. 83-52

*Synopsis: Approval is being requested for awarding degrees and certificates for Autumn Quarter Commencement.*

November 5, 1982 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT (contd)**

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 10, 1982, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Dr. Jacob, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 83-53

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Appointment of Chairman of Department; Promotion with Tenure; Medical Staff--Appointments; Medical Staff--Reappointments; Leaves of Absence Without Salary; Leave of Absence Without Salary--Change of Date; Professional Improvement Leave; Professional Improvement Leave--Cancellation; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 1, 1982 meeting of the Board, including the following Appointments; Appointment of Chairman of Department; Promotion with Tenure; Medical Staff--Appointments; Medical Staff--Reappointments; Leaves of Absence Without Salary; Leave of Absence Without Salary--Change of Date; Professional Improvement Leave; Professional Improvement Leave--Cancellation; and Emeritus Titles as detailed in the University Budget, be approved.

**Appointments**

Name:	THOMAS L. SWEENEY
Title:	Associate Vice President for Research
Office:	Research and Graduate Studies
Effective:	October 1, 1982
Salary:	\$56,040.00
Present Position:	Professor, Department of Chemical Engineering

November 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointments (contd)

Name: ALBERT L. CLOVIS  
 Title: Professor (Newton D. Baker Professorship in Law)  
 College: Law  
 Effective: October 1, 1982  
 Salary: \$60,480.00  
 Present Position: Professor, College of Law

Name: WALTER K. MCPHERSON  
 (Vice, Sidney D. Jeffe, who resigned October 31, 1982)  
 Title: Director, Transportation Research Center of Ohio, Engineering Experiment Station  
 Effective: November 1, 1982  
 Salary: \$60,000.00  
 Present Position: Deputy Director, TRC

Appointment of Chairman of Department

October 1, 1982 through June 30, 1983

Architecture

\*Paul E. Young, Jr.

\*Acting Chairman

Promotion with Tenure

Name: DAVID L. JOHNSON  
 Title:  
 From: Assistant Professor  
 To: Associate Professor with tenure  
 School: Natural Resources  
 Effective: November 1, 1982

Medical Staff--Appointments

Effective July 14, 1982

Madhu Bhatia, M.D.	Transfer from Limited Staff in General Psychiatry to Limited Staff in Child Psychiatry	Clinical Instructor H.S.
Richard Bump, M.D.	Courtesy Staff in Family Medicine in addition to Attending Staff in Obstetrics and Gynecology	Assistant Professor
Christopher M. Copeland, M.D.	Attending Staff in Obstetrics and Gynecology	Clinical Assistant Professor

November 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

Effective July 14, 1982 (contd)

Evan Dixon, M.D.	Transfer from Limited to Courtesy Staff in Cardiology	Clinical Assistant Professor
William B. Ferrar, M.D.	Attending Staff in General Surgery and Surgical Oncology	Assistant Professor
James Ferraro, M.D.	Courtesy Staff in Family Medicine in addition to Attending Staff in General Surgery	Instructor
William R. Finkelmeier, M.D. Roger Friedman, M.D.	Limited Staff in General Surgery Courtesy Staff in Allergy	Clinical Instructor H.S. Clinical Assistant Professor
Jerry B. Magone, M.D.	Limited Staff in Orthopaedic Surgery	Clinical Instructor H.S.
Scott A. McIlroy, M.D.	Courtesy Staff in Obstetrics and Gynecology	Clinical Instructor
Diana Wasserman, M.D.	Courtesy Staff in Family Medicine in addition to Courtesy Staff in Pediatrics	Clinical Assistant Professor
Marc C. Watson, M.D.	Limited Staff in General Surgery (Fellow in Peripheral Vascular Surgery)	Clinical Instructor H.S.

Effective September 8, 1982

Douglas Anderson, D.D.S.	Transfer from Courtesy Staff to Attending Staff in Oral and Maxillofacial Surgery	Clinical Assistant Professor
Mark E. Clasen, M.D.	Attending Staff in Family Medicine	Assistant Professor
Charles T. Cloutier, M.D.	Attending Staff in General Surgery and Emergency Medicine	Associate Professor
Matthew E. Dangel, M.D. James C. English, M.D.	Attending Staff in Ophthalmology Limited Staff in Family Medicine	Assistant Professor Clinical Instructor H.S.
Joseph D. Fishel, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
Roger A. Friedman, M.D.	Courtesy Staff in Pediatrics	Clinical Assistant Professor
Timothy R. Gatens, M.D.	Courtesy Staff in Physical Medicine and Rehabil- itation	Clinical Instructor



November 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

Effective September 8, 1982 (contd)

Stephen A. Koff, M.D.	Attending Staff in Urology	Associate Professor
Jeff E. Mandel, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
Michael J. Meagher, M.D.	Courtesy Staff in Neurological Surgery	Clinical Instructor
Hani Nabi, M.D.	Limited Staff in Nuclear Medicine	Clinical Instructor H.S.
Greg Offenburger, D.D.S.	Transfer from Courtesy Staff to Attending Staff in Oral and Maxillofacial Surgery	Clinical Assistant Professor
Larry J. Peterson, D.D.S.	Attending Staff in Oral and Maxillofacial Surgery (Chairman)	Professor
Omran M. Shamam, M.D.	Limited Staff in Diagnostic Radiology	Clinical Instructor H.S.
Kenneth A. Son, M.D.	Limited Staff in Urology	Clinical Instructor H.S.
Mark A. Straka, D.D.S.	Transfer from Limited to Courtesy Staff in Oral and Maxillofacial Surgery	Adjunct Assistant Professor
Steven V. Stroom, M.D.	Attending Staff in Urology	Assistant Professor
Chung Kill Yin, M.D.	Attending Staff in Radiation Oncology	Assistant Professor

Effective October 13, 1982

Ronald Ferguson, M.D.	Attending Staff in General Surgery	Associate Professor
James E. Gadek, M.D.	Attending Staff in Pulmonary Diseases (Division Director)	Associate Professor
Richard S. Kyler, M.D.	Courtesy Staff in Neurology	Clinical Instructor
Mojmir G. Sonek, M.D.	Courtesy Staff in Obstetrics and Gynecology	Clinical Professor

Medical Staff--Reappointments

Effective July 14, 1982

William F. Bradley, M.D.	Courtesy Staff - Endocrinology and Metabolism	
Benny Kerzner, M.D.	Attending Staff - Pediatrics	
James W. Lewis, M.D.	Courtesy Staff - Renal Diseases	
Michael H. Mishkind, M.D.	Courtesy Staff - Renal Diseases	

November 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

Effective July 14, 1982 (contd)

John J. Picken, M.D.	Courtesy Staff - Pulmonary Diseases
James Vaughn, M.D.	Courtesy Staff - Neurology
Reinhard A. Westphal, M.D.	Attending Staff - Orthopaedic Surgery
John F. Williams, M.D.	Courtesy Staff - Orthopaedic Surgery

Effective September 8, 1982

Joseph R. Bianchine, M.D.	Attending Staff - Clinical Pharmacology
Nicholas Gerber, M.D.	Courtesy Staff - Obstetrics and Gynecology
Robert R. Kessler, M.D.	Courtesy Staff - Orthopaedic Surgery
John Klamar, M.D.	Attending Staff - Pediatrics
Ruskin B. Lawyer, M.D.	Attending Staff - Orthopaedic Surgery
Charles V. Mattingly, M.D.	Courtesy Staff - Cardiology
Arlynn F. Mulne, M.D.	Courtesy Staff - Pediatrics

Effective October 13, 1982

Charles R. Block, M.D.	Attending Staff - Pediatrics
Arthur L. Clark, M.D.	Courtesy Staff - Pediatrics
Salvatore DiCarlo, M.D.	Courtesy Staff - Pediatrics
Alex Dubin, M.D.	Courtesy Staff - Pediatrics
Uma Gupta, M.D.	Courtesy Staff - Pediatrics
L. Robert Polster, M.D.	Attending Staff - Pediatrics

Leaves of Absence Without Salary

GEORGE F. WADLINGTON, Professor, Cooperative Extension Service, effective October 1, 1982 through December 31, 1982, for medical reasons.

JOAN E. HERR, Assistant Professor, Department of Human Nutrition and Food Management, effective October 1, 1982 through June 30, 1983, to accompany her husband who is heading a MUCIA project in Burma.

WILLIAM E. WOLFE, Assistant Professor, Department of Civil Engineering, effective October 1, 1982 through December 31, 1982, to accept an assignment at the Air Force Office of Scientific Research, Bolling Air Force Base.

November 5, 1982 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Leaves of Absence Without Salary (contd)

BETH D. GAYDOS, Instructor, Cooperative Extension Service, effective October 18, 1982 through October 31, 1982, for personal reasons.

Leave of Absence Without Salary--Change of Date

HENRY H. GLOVER, Associate Professor, Department of Mathematics, change date of leave from October 1, 1982 through June 30, 1983 to January 1, 1983 through June 30, 1983.

Professional Improvement Leave

ROBERT T. ROSS, Professor, Department of Biochemistry, effective Summer Quarter 1983, Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

Professional Improvement Leave--Cancellation

JAMES C. GARLAND, Professor, Department of Physics, cancel professional improvement leave for Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

Emeritus Titles

EDWARD HOMER BOHL, Department of Veterinary Preventive Medicine, with the title Professor Emeritus, effective October 1, 1982.

FREDERICK P. DICKEY, Department of Physics, with the title Professor Emeritus, effective June 1, 1982.

G. HOWARD PHILLIPS, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective October 1, 1982.

RICHARD ALLAN POPHAM, Department of Botany, with the title Professor Emeritus, effective July 1, 1982.

PAULINE H. VETTER, Cooperative Extension Service, with the title Instructor Emeritus, effective November 1, 1982.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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November 5, 1982 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM

Resolution No. 83-54

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Galbreath, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Allan C. Barnes

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 13, 1982, of Allan C. Barnes, former Chairman of the Department of Obstetrics and Gynecology.

Allan Campbell Barnes was born on December 18, 1911, in Coldwater, Michigan.

Dr. Barnes was educated at the Haverford School, Pennsylvania; A.B., Princeton, 1933; M.D., University of Pennsylvania, 1937. He served as a Fellow at Oxford and later received a Master of Science degree at the University of Michigan. Dr. Barnes served his residency in obstetrics and gynecology at the University of Michigan under Norman F. Miller, and his military service in the Medical Corps from 1942 to 1945, when he was retired as a Major. He returned to the University of Michigan as an Instructor, then came to Ohio State as an Associate Professor from 1945 to 1947, at which time he became Chairman, from 1947 to 1953, of Obstetrics and Gynecology at The Ohio State University. He moved to Western Reserve University School of Medicine as Professor and Chairman, Department of Obstetrics and Gynecology, from 1953 to 1960; then to Johns Hopkins University, Department of Obstetrics and Gynecology, from 1960 to 1970.

In 1970, he became Vice President of The Rockefeller Foundation where he served until 1977. He continued as a consultant of The Rockefeller Foundation and a Senior Fellow of the Population Council. Dr. Barnes retired to Columbus in March, 1981. At the time of his death he was Professor Emeritus of Obstetrics and Gynecology at The Ohio State University.

Dr. Barnes published 189 original scientific publications, was editor of the *American Journal of Obstetrics and Gynecology*, and edited several books that relate to obstetrics and gynecology.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

November 5, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

J. Raymond Derby

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1982, of J. Raymond Derby, Professor Emeritus in the Department of English.

Dr. Derby earned his undergraduate degree at Southwestern College, his masters' degrees at the University of Kansas and at Harvard University, and his Ph.D. degree at Harvard University in 1929.

Dr. Derby joined the faculty at The Ohio State University as a Professor in 1939. Prior to that time he served as Professor at Southwestern College and as Professor and Head of Department at Iowa State College.

At The Ohio State University, he was Chairman of the Colleges of Arts and Sciences Curriculum Committee, Chairman of the Colleges of Arts and Sciences Committee on International Studies, and was a member of the Graduate Council. For the Department of English, he served as Chairman of the Graduate Committee.

Dr. Derby taught and published primarily in English romantic literature and for years edited the Modern Language Association annual bibliography, "The Romantic Movement."

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Laurence N. Snyder

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 25, 1982, of Laurence N. Snyder, Professor Emeritus in the School of Health, Physical Education and Recreation.

Laurence "Larry" Snyder was born in Canton, Ohio, August 9, 1896. He graduated from Canton Central High School in 1915 and later served in the Army Air Force during World War I. In the fall of 1922, he enrolled at The Ohio State University and graduated with a bachelor of science degree in 1925. As an undergraduate, Snyder won national recognition as a track star, setting University records in both the high and low hurdles, in the high jump and in the long jump. As a senior, he won the Big Ten Scholarship Medal for combined excellence in scholastic achievement and in athletic accomplishments.

In 1925, Snyder was hired as assistant track coach at The Ohio State University, and thus began what was to become a long and distinguished career in the sport of track. In 1932, he was named head track coach at Ohio State, where he remained until his retirement in 1965, except for the 1943-45 period, when he enlisted in the Navy during World War II.

November 5, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Laurence N. Snyder (contd)

Larry Snyder gained national recognition as track coach. His Ohio State track teams won six Big Ten championships. He coached seven athletes to Olympic prominence, including the late Jesse Owens, one of the greatest track athletes of all time.

Snyder was a member of the U. S. Olympic coaching staff in 1936 and again in 1952. He was named Head Olympic Coach for the 1960 Games in Rome.

Snyder was a member of the U. S. Track and Field Hall of Fame, the Helms Foundation Track and Field Hall of Fame and The Ohio State University Athletic Hall of Fame.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-55

*Synopsis: The reports on contracts, grants, and gifts and the summary for September are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

**NOW THEREFORE**

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of September 1982, be approved.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR SEPTEMBER 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	72	\$4,383,591.41
Engineering Experiment Station	51	934,747.00
Ohio Agricultural Research and Development Center	20	878,095.00
		\$6,196,433.41
The Ohio State University Development Fund		
Establishment of Named Funds		
The Harry Russell Ansel Scholarship Fund (College of Engineering)		\$ 50,000.00
The Mildred Horton Ansel Scholarship Fund (College of Medicine)		\$ 50,000.00
The Sphinx Endowment Fund (Scholarships - Sphinx members)		\$ 40,000.00
The Louise Zung-nyi Loh Scholarship Fund in East Asian Studies (University Center for International Studies)		\$ 11,000.00
The Eugene J. Weigel Memorial Scholarship for Music Education (Undergraduate students - School of Music)		\$ 8,655.00
The S. Rains Wallace Creativity Fund (Department of Psychology)		\$ 5,204.50
The Frank E. and Harriet E. Hedrick Scholarship Endowment Fund (Scholarships - Department of Aviation)		\$ 5,022.93

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR SEPTEMBER 1982 (contd)**

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Torrence A. Makley Fund (Ophthalmology research)	\$ 5,000.00
The Dean and Lucille Tresch Scholarship Fund (Department of Horticulture)	\$ 5,000.00

Report from Presidents Club

Members to date	4,564
1982 members: year to date	100
New members - September 1982	9

New Presidents Club Members - September 1982

John M. Cutter	Richard M. Mora
Irene A. Heiberger (Mrs. James O.)	Leo A. Paquette
Tab Hiatt (Mrs. N. Wayne)	Robert P. Schlegel
W. Brian O'Malley	Rosetta Hayes Tyler
Marguerite Carlin Price	



November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1982 through September 30, 1982

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Sponsor	No. of Projects	Support Level
<b>FEDERAL</b>		
National Aeronautics and Space Administration	7	\$ 234,149.00
National Science Foundation	33	2,126,189.00
Department of Defense	13	594,391.00
Department of Energy	4	628,664.00
Department of Education	15	1,479,499.00
Department of Health and Human Services	43	4,271,598.00
Other Federal	23	5,779,468.00
TOTAL - FEDERAL	138	\$15,113,958.00
STATE OF OHIO	15	\$ 433,210.00
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	87	\$ 2,748,750.72
GRAND TOTAL	240	\$18,295,918.72

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**FIRST QUARTER SUMMARY**

July 1, 1982 through September 30, 1982

**ENGINEERING EXPERIMENT STATION**

Sponsor	No. of Projects	Support Level
STATE OF OHIO	4	\$ 401,238.00
INDUSTRIAL AND OTHER	50	1,068,012.00
TOTAL	54	\$1,469,250.00

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$1,041,541.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1982 through 30 September 1983. (Project 760081 - Continuation)

\$475,000.00 - Department of Energy, Washington, D. C., Research and Technical Assistance in Public Utility Regulation Primarily for State Commissions, National Regulatory Research Institute (D. N. Jones), 14 October 1981 through 14 October 1982. (Project 761932 - Continuation)

\$330,000.00 - Department of Education, National Institute of Education, Washington, D. C., ERIC Clearinghouse on Adult, Career, and Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 14 September 1982 through 13 September 1983. (Project 762872 - Continuation)

\$193,908.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Clinical Trial of Extracorporeal Carbamylation, Department of Medicine (S. P. Balcerzak), 1 September 1982 through 31 August 1983. (Project 763266 - New)

\$180,661.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Bureau of Health Professions, Hyattsville, Maryland, Minority Student Recruitment, Preparation and Retention Program Towards Careers in Dentistry, Medicine, Optometry, Pharmacy, and Veterinary Medicine, College of Medicine - Administration (E. C. Craig), 1 September 1982 through 31 August 1983. (Project 762834 - Continuation)

\$100,000.00 - National Science Foundation, Washington, D. C., Developmental Work on Academic Discipline Price Indexes, University Fiscal Officer (G. W. Baughman), 1 October 1982 through 9 September 1983. (Project 762267 - Continuation)

\$99,902.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Tailored Airfoils for Wind Turbine Applications, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and J. D. Lee), 15 September 1982 through 14 September 1983. (Project 763285 - New)

\$91,431.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, Detection of DNA Damage Following Exposure to Genotoxins, Departments of Pharmacology and Radiology (S. M. D'Ambrosio) and Department of Medicine (R. Whisler), 1 September 1982 through 31 August 1983. (Project 762787 - Continuation)

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$87,887.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, The Development of Precerebellar Nuclei, Department of Anatomy (J. S. King), 1 September 1982 through 31 August 1983. (Project 760045 - New)

\$80,144.00 - Environmental Protection Agency, Washington, D. C., Development of a Tissue Selective Bioassay for Environmental Agents Producing DNA Damage, Department of Radiology (S. M. D'Ambrosio), 1 July 1982 through 1 March 1983. (Project 761447 - Continuation)

\$79,285.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Cancer Center Patient Data System, Cancer Research Center and Department of Preventive Medicine (M. D. Keller) and Cancer Research Center (N. A. Reiches), 1 July 1982 through 30 June 1983. (Project 760789 - Continuation)

\$61,562.00 - Nuclear Regulatory Commission, Washington, D. C., An Evaluation of the Benefits of Response-Time in Fiber Testing of Neutron Sensors Used in Nuclear Power Reactor Protection Systems, Engineering Experiment Station (D. W. Miller), 1 October 1982 through 30 September 1983. (Project 763291 - New)

\$57,986.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Genetics of Antibiotic Biosynthesis in *S. coelicolor*, Department of Chemistry (H. G. Floss), 1 September 1982 through 31 August 1983. (Project 763275 - New)

\$54,699.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 September 1982 through 31 July 1983. (Project 761628 - Continuation)

\$53,194.00 - Department of Energy, Albuquerque Operations Office, Albuquerque, New Mexico, Salt Gradient Solar Pond Development, Department of Physics (C. E. Nielsen), 1 September 1982 through 31 August 1983. (Project 763300 - Continuation)

\$50,000.00 - Federal Emergency Management Agency, Washington, D. C., Emergent Groups in the Emergency Periods of Disasters: An Initial Systematic Study, Department of Sociology (E. L. Quarantelli), 1 September 1982 through 31 August 1983. (Project 763270 - New)

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$43,340.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Effects of Assuming Independent Component Failure Times, If They Are Actually Dependent, In a Series System, Department of Preventive Medicine (M. L. Moeschberger) and Department of Statistics (J. P. Klein), 1 September 1982 through 31 August 1983. (Project 763265 - New)

\$41,613.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Discrete Control Modelling of Computer-Aided Control of Strongly Interactive Systems, Department of Industrial and Systems Engineering (R. A. Miller) and Department of Psychology (R. J. Jagacinski), 1 August 1982 through 28 February 1983. (Project 763264 - New)

\$40,600.00 - National Science Foundation, Washington, D. C., Rainfall Studies Using the Differential Reflectivity Radar Techniques, Department of Electrical Engineering (T. A. Seliga), 1 June 1981 through 31 December 1982. (Project 762445 - Continuation)

\$40,000.00 - Department of Agriculture, Cooperative State Research Service, Arlington, Virginia, Induced Parturition and Vitamin D in the Prevention of Mineral Imbalance in Cows, Department of Veterinary Pathobiology (C. C. Capen) and Department of Veterinary Clinical Sciences (C. F. Hoffsis and W. R. Threlfall), 15 September 1982 through 30 September 1983. (Project 763296 - New)

\$37,211.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Research Related to Inertial Survey Systems, Department of Geodetic Science (I. I. Mueller), 1 October 1982 through 30 September 1983. (Project 763302 - Continuation)

\$36,402.00 - Department of Education, Office of Educational Research and Improvements, Washington, D. C., Career Planning Support System, Developer Demonstrator Project, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1982 through 31 August 1983. (Project 763287 - New)

\$34,954.00 - Department of the Navy, Naval Air Development Center, Warminster, Pennsylvania, On Aircraft Antennas, Department of Electrical Engineering, ElectroScience Laboratory (R. C. Rudduck), 7 September 1982 through 6 September 1983. (Project 763280 - New)

\$34,143.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Division of Nursing, Hyattsville, Maryland, Women's Health Research Program, School of Nursing (J. S. Stevenson), 1 July 1982 through 30 June 1983. (Project 762275 - Continuation)

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$33,042.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Hormonal and Dietary Control of ATP Citrate Lyase, Department of Food Science and Nutrition (K. L. Roehrig), 1 September 1982 through 31 August 1983. (Project 762408 - Continuation)

\$24,570.00 - Defense Systems Automation Center, Columbus, Ohio, Computer-Based Education Courseware, Academic Faculty of Educational Foundations and Research (K. A. Hall), 1 September 1982 through 30 June 1983. (Project 763298 - New)

\$21,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of Low Cost Filler Materials for Welding High Strength Steels and Titanium Alloys, Department of Welding Engineering (D. G. Howden), 1 September 1982 through 31 December 1982. (Project 762890 - Continuation)

\$19,603.00 - Department of Education, Rehabilitation Services Administration, Washington, D. C., Traineeships for Graduate Education of Audiologists and Speech-Language Pathologists, Department of Communications (E. J. Hardick), 1 September 1982 through 31 August 1983. (Project 760885 - Continuation)

\$18,867.00 - Environmental Protection Agency, Washington, D. C., Evaluation of a Short-Term *In Vivo* System for Risk Assessment of Environmental Chemicals, Department of Pharmacology (D. Couri), 1 April 1982 through 31 March 1983. (Project 762125 - Continuation)

\$15,000.00 - Department of Agriculture, Animal and Plant Health Inspection Service, Moorestown, New Jersey, Ohio Plant Pest Survey, Cooperative Extension Service - Field Operations (G. R. Gist, Jr.), 1 July 1982 through 30 September 1982. (Project 763261 - New)

\$14,000.00 - Department of Agriculture, Forest Service, Northeastern Forest Experiment Station, Delaware, Ohio, Silvicultural and Financial Consequences of Alternative Cutting Strategies in Even-Aged Upland Central Hardwood Stands, Ohio Agricultural Research and Development Center, Department of Forestry (R. B. Heiligmann), 1 September 1982 through 30 June 1985. (Project 763286 - New)

\$10,000.00 - Department of the Interior, Geological Survey, Water Resources Division, Columbus, Ohio, Publication of Water Use Data for the State of Ohio, Cooperative Extension Service - State Operations (T. L. Jones), 15 September 1982 through 30 June 1983. (Project 763279 - New)

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$7,469.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Film Digitization Criteria for Kinematic Analyses, Department of Mechanical Engineering (H. R. Busby), 1 September 1982 through 31 December 1982. (Project 763272 - New)

\$5,250.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Polymerized Tumor Antigen-Adjuvant Immunotherapy, Cancer Research Center (J. A. Neidhart), 1 July 1982 through 30 September 1982. (Project 761757 - Continuation)

\$3,685.00 - Department of Education, National Institute of Education, National Commission on Excellence in Education, Washington, D. C., Patterns of Course Taking in High School: An Analysis of the National Longitudinal Survey Youth Transcript Data, The National Center for Research in Vocational Education (R. E. Taylor), 1 August 1982 through 30 September 1982. (Project 763297 - New)

\$3,083.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Identification of Essential Genes for HSV DNA Synthesis, Department of Medical Microbiology and Immunology (D. S. Parris), 1 March 1982 through 28 February 1983. (Project 762587 - Continuation)

\$3,000.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Status and Population Dynamics of White Perch (*Morone Americana*) in Lake Erie, Department of Zoology (T. J. Peterle, F. J. Margraf, and R. F. Carline), 1 April 1981 through 1 April 1983. (Project 762625 - Continuation)

\$3,000.00 - National Science Foundation, Washington, D. C., Informed Consent - A Linguistic Approach to the Improvement of the Physician-Patient Communication Process, College of Medicine - Administration (M. Tzagournis), 1 January 1981 through 31 August 1983. (Project 763269 - New)

\$1,300.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Simulation Studies of Apportionment of Braking Effort for the Development of Truck Braking Standards, Department of Mechanical Engineering (G. L. Kinzel and D. A. Guenther), 30 June 1982 through 30 September 1982. (Project 762085 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$3,528,332.00**

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants**

\$150,000.00 - State of Ohio, Department of Commerce, Division of Real Estate, Columbus, Ohio, Center for Real Estate Education and Research, College of Administrative Science - Administration, Center for Real Estate Education and Research (R. L. Racster), 1 July 1982 through 30 September 1983. (Project 763277 - New)

\$142,100.00 - Ohio Air Quality Development Authority, Columbus, Ohio, Sources of Soil, Surface Water and Precipitation Acidity and Related Effects on Soil, Plant Growth and Microorganism Activity, Ohio Agricultural Research and Development Center, Laboratory for Environmental Science (T. C. Weidensaul), 1 September 1982 through 31 August 1983. (Project 763273 - New)

\$15,000.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Continuing Education for Child Care Professionals, Nisonger Center for Mental Retardation (M. J. Guralnick), 29 July 1982 through 30 September 1982. (Project 763255 - Continuation)

\$9,800.00 - State of Ohio, Department of Education, Division of Vocational Education, Career Development Service, Columbus, Ohio, Coordination of Statewide Career Education Activities, Academic Faculty of Special Services (J. J. Quaranta), 1 July 1982 through 30 September 1982. (Project 763053 - Continuation)

\$9,130.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Desipramine Plasma Levels and Clinical Response in Outpatients with Primary Depression, Department of Psychiatry (S. L. Stern and B. A. Jones), 1 September 1982 through 30 June 1983. (Project 763295 - New)

\$7,344.00 - State of Ohio, Department of Commerce, Division of Real Estate, Columbus, Ohio, Center for Real Estate Education and Research, College of Administrative Science - Administration, Center for Real Estate Education and Research (R. L. Racster), 1 June 1982 through 30 September 1983. (Project 762738 - Continuation)

\$6,000.00 - Ohio Arts Council, Columbus, Ohio, Arts of the Book Apprenticeship, Department of Art Education (R. C. Tauber), 1 July 1982 through 30 June 1983. (Project 763283 - New)

\$1,944.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Evaluation of Functioning of Discharged Psychiatric Patients, School of Public Administration (C. R. Huff), 1 September 1982 through 30 June 1983. (Project 763260 - New)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS**

**\$ 341,318.00**



November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Industrial, Private, and Other Non-Federal Research Contracts/Grants

\$100,000.00 - Pfizer, Inc., Groton, Connecticut, Support for Facilities for Performing Clinical Pharmacology Studies, Department of Pharmacology (J. R. Bianchine), 1 October 1982 through 30 September 1983. (Project 760484 - Continuation)

\$54,663.00 - Associated Builders and Contractors, Inc., Washington, D. C., Painter and Plumber Apprenticeships Curriculum Development for Wheels of Learning Construction Training Program, Academic Faculty of Industrial Technology (D. G. Lux), 1 May 1982 through 31 July 1983. (Project 763268 - Continuation)

\$51,742.00 - Children's Hospital Research Foundation, Columbus, Ohio, Cephalaxin or Cephadroxil Treatment of Contaminated Wounds, Department of Preventive Medicine (D. A. Rund), 15 August 1982 through 14 August 1983. (Project 763267 - New)

\$34,790.00 - The Procter and Gamble Company, Cincinnati, Ohio, A Double Blind Parallel Comparison Among Four Different Aspirin Preparations and Placebo Following Tooth Extraction in Dental Patients, College of Dentistry (J. M. Weaver and F. M. Beck), 15 September 1982 through 30 April 1983. (Project 763293 - New)

\$27,962.26 - E. I. duPont de Nemours and Company, Wilmington, Delaware, Multiple Dose Tolerance and Pharmacokinetic Study with EN212 at 32 Mg (M-11), Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 March 1982 through 28 February 1983. (Project 763104 - Continuation)

\$22,436.00 - Merck and Company, Rahway, New Jersey, Parasite Control Program for Dairy Replacement Heifers Using Ivermectin, Department of Veterinary Pathobiology (R. P. Herd) and Department of Preventive Medicine (L. E. Heider), 1 May 1982 through 30 June 1983. (Project 762697 - Continuation)

\$20,898.00 - University of Cincinnati, Cincinnati, Ohio, OSU Participation in NIH Grant No. R05 AM-27517-03 Titled "Bio Mechanics of Ligament/Tendon Repair and Grafts," Department of Veterinary Clinical Sciences (R. B. Hohn and M. L. Olmstead), 1 August 1982 through 31 July 1983. (Project 762827 - Continuation)

\$19,999.00 - State of New Hampshire, Occupational Information Coordinating Committee, Concord, New Hampshire, Update and Review of New Hampshire VIEW Manual, The National Center for Research in Vocational Education (R. E. Taylor), 25 August 1982 through 24 January 1983. (Project 763288 - New)

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$19,000.00 - Electric Power Research Institute, Palo Alto, California, Simultaneous Chromizing-Aluminizing of Steels, Department of Metallurgical Engineering (R. A. Rapp), 22 September 1982 through 31 December 1982. (Project 763292 - New)

\$18,500.00 - Pioneer Hi-Bred International, Inc., Johnston, Iowa, Detection and Characterization of Novel Virus-Like Disease Agents in Maize, Ohio Agricultural Research and Development Center, Department of Plant Pathology (O. E. Bradford), 1 September 1982 through 31 August 1985. (Project 763262 - New)

\$16,700.00 - Purdue University, West Lafayette, Indiana, Taxes, Mortgage Instruments and Housing, College of Administrative Science - Continuing Education (P. H. Hendershott), 1 July 1981 through 15 January 1982. (Project 763282 - New)

\$15,600.00 - Vocational Industrial Training Board, Singapore, Vocational Industrial Training Board Fellowship Program - Singapore, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1982 through 31 March 1983. (Project 763274 - New)

\$15,539.00 - Boehringer Ingelheim, LTD, Ridgefield, Connecticut, Analysis of Dipyrindamole in Plasma, Department of Veterinary Clinical Sciences (R. A. Sams), 1 November 1981 through 31 December 1982. (Project 762928 - Continuation)

\$14,796.00 - Ohio Cancer Research Associates, Columbus, Ohio, Evaluation of Human Tumors by Stem Cell Assay, Department of Physiological Chemistry (G. E. Milo), 1 October 1982 through 30 September 1983. (Project 763303 - New)

\$13,689.00 - Kali-Duphar Laboratories, Inc., Columbus, Ohio, Analysis of Ritodrine Hydrochloride in the Management of Premature Labor, Cancer Research Center (N. A. Reiches) and Department of Preventive Medicine (M. L. Moeschberger), 1 August 1982 through 30 April 1983. (Project 763290 - New)

\$12,917.31 - Pfizer, Inc., Groton, Connecticut, Phase I Two-Part Escalating Single Blind Placebo Controlled Randomized Toleration and Open Randomized Bioavailability Study of an Oral Formulation of Levonantradol, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 March 1982 through 28 February 1983. (Project 763104 - Continuation)

\$12,228.00 - Abbott Laboratories, North Chicago, Illinois, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass, and J. L. Plouffe), 1 March 1982 through 28 February 1983. (Project 763020 - Continuation)

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$8,008.84 - E. I. duPont de Nemours and Company, Wilmington, Delaware, Bioavailability/Pharmacokinetics Study of Oral Nalbuphine, Acetaminophen, and Nalbuphine/Acetaminophen Tablets, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 March 1982 through 28 February 1983. (Project 763104 - Continuation)

\$8,000.00 - National Kidney Foundation of Central Ohio, Inc., Columbus, Ohio, Fc Receptor Binding of Soluble Immune Complexes by Monocytes and Polymorphonuclear Leukocytes from Patients with Immune Mediated Diseases, Department of Medicine (F. G. Cosio), 15 October 1982 through 30 June 1983. (Project 763276 - New)

\$6,416.00 - Hoffmann-LaRoche, Inc., Nutley, New Jersey, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass, and J. L. Plouffe), 1 March 1982 through 28 February 1983. (Project 763020 - Continuation)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Macrophages as Tumor Promoters, Department of Medicine (J. J. Rinehart), 1 July 1982 through 30 June 1983. (Project 763299 - New)

\$5,996.00 - Chemical Abstracts Service, Division of the American Chemical Society, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. G. Shulman), 15 September 1982 through 15 December 1982. (Project 762213 - Continuation)

\$4,822.00 - Adria Laboratories, Columbus, Ohio, Stem Cell Assay Screen of Eight Adriamycin Analogues, Department of Veterinary Pathobiology (J. P. Schaller), 1 July 1982 through 31 December 1982. (Project 763294 - New)

\$2,239.00 - Wilberforce University, Wilberforce, Ohio, Evaluation of Student Academic Skills Development Program at Wilberforce University, The National Center for Research in Vocational Education (R. E. Taylor), 15 August 1982 through 30 September 1982. (Project 763281 - New)

\$1,000.00 - CSG Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1982 through 28 February 1983. (Project 763026 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$ 513,941.41**

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$108,968.00 - State of Ohio, Department of Transportation, Columbus, Ohio, Long-Term Strength of Embankment Materials: Shale and Colluvium, Department of Civil Engineering coordinated through Transplex, September 1, 1982 through August 31, 1983. (EES 529628)

\$100,532.00 - Ohio Environmental Protection Agency, Columbus, Ohio, Transport and Transformation of Airborne Pollutants, Atmospheric Sciences Program, July 1, 1982 through June 30, 1983. (EES 529629)

**TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$209,500.00**

**Industry and Other Sponsored Research and Development**

\$250,001.00 - Gas Research Institute, Chicago, Illinois, Location of Buried Pipe-Development of an Improved Terrascan Unit, ElectroScience Laboratory, April 4, 1982 through March 31, 1983. (EES 529623, Extension 2)

\$475,246.00 - Forty-eight industries for 48 development projects under the direction of ten engineering departments and research areas.

**TOTAL - INDUSTRY AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$725,247.00**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contracts/Grants**

\$133,981.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, support of a study on genetics and pathogenesis of leg weakness in turkeys, Department of Poultry Science, August 15, 1982 to August 31, 1985. (Agreement No. 82-CRSR-2-1076)

\$130,000.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, support of a study on immunization of cows with rota-coronavirus vaccines and protection in calves, Department of Veterinary Science, September 1, 1982 to August 31, 1985. (Agreement No. 82-CRSR-2-2019)

\$79,365.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, support of a study on a farmstead energy center based upon corncob combustion and cogeneration, Department of Agricultural Engineering, September 15, 1982 to September 30, 1984. (Agreement No. 82-CRSR-2-2014)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Federal Contracts/Grants (contd)

\$78,896.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, continued support of the North Central Region Special Studies Program for Pesticide Impact Assessment, Department of Entomology, October 1, 1982 to September 30, 1984. (Agreement No. 80-CRSR-2-0513)

\$65,000.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, support of a study on defining the role of cryptosporidiosis in the calf enteric disease complex, Department of Veterinary Science, September 1, 1982 to August 31, 1984. (Agreement No. 82-CRSR-2-2018)

\$45,712.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, support of a study on growth of environmental streptococci in nonlactating bovine mammary secretions, Department of Dairy Science, September 1, 1982 to August 31, 1983. (Agreement No. 82-CRSR-2-1071)

\$29,329.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, support of a study on role of glyceollin in the biochemical mechanism of root tolerance to phytophthora in soybean, Departments of Plant Pathology and Agronomy, September 15, 1982 to September 30, 1983. (Agreement No. 82-CRSR-2-1047)

\$17,787.00 - U. S. D. A., Forest Service, Northeastern Forest Experiment Station, Broomall, Pennsylvania, support of a study on recreational use of urban forest resources: a case study of Columbus, Ohio, Department of Natural Resources, June 1, 1982 to May 31, 1983.

\$11,000.00 - Agricultural Research Service, Science and Education, U. S. Department of Agriculture, Peoria, Illinois, continued support of a study on efficacy, phytotoxicity and environmental effects of fungicides on ornamental crop-minor use, Department of Plant Pathology, September 5, 1982 to September 4, 1983. (Agreement No. 58-519B-8-793)

**TOTAL - FEDERAL CONTRACTS/GRANTS**

**\$591,070.00**

State of Ohio Contracts/Grants

\$71,375.00 - State of Ohio, Department of Agriculture, Ohio Grape Industries Committee, Columbus, Ohio, support of a study to investigate the effects of vinification procedures on the quality of labrusca type wines, Department of Horticulture, July 1, 1982 to June 30, 1983. (Contract No. 82-3)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

State of Ohio Contracts/Grants (contd)

\$52,250.00 - State of Ohio, Department of Agriculture, Ohio Grape Industries Committee, Columbus, Ohio, support of a study on improving and controlling quality of Ohio table wines, Department of Horticulture, July 1, 1982 to June 30, 1983. (Contract No. 82-4)

\$39,250.00 - State of Ohio, Department of Agriculture, Ohio Grape Industries Committee, Columbus, Ohio, support of a study on identification and development of economically efficient grape cultural practices and cultivars for the soils and climate of Ohio, Department of Horticulture, July 1, 1982 to June 30, 1983. (Contract No. 82-1)

\$26,875.00 - State of Ohio, Department of Agriculture, Ohio Grape Industries Committee, Columbus, Ohio, support of a study on epidemiology and field prediction of grape, berry and leaf infection by downy mildew and black rot, Department of Plant Pathology, July 1, 1982 to June 30, 1983. (Contract No. 82-2)

\$25,000.00 - State of Ohio, Department of Agriculture, Columbus, Ohio, support of an Ohio demonstration project--biogas (methane) from manure, Department of Agricultural Engineering, September 1, 1982 to August 31, 1983.

**TOTAL - STATE OF OHIO CONTRACTS/GRANTS** **\$214,750.00**

Industrial and Other Contracts/Grants

\$29,275.00 - Ross Laboratories, Columbus, Ohio, continued support of a study on rotavirus: continued studies on immunization of prepartum dairy cows, Department of Dairy Science, April 1, 1982 to March 31, 1984.

\$20,000.00 - Pioneer Hi-Bred International, Inc., Johnston, Iowa, support of a study on testcross evaluation of soybean germplasm, Department of Agronomy, October 1, 1982 to September 30, 1984.

\$12,000.00 - American Soybean Association, St. Louis, Missouri, support of a study on optimizing soy oil soapstock in dairy lactation rations, Department of Dairy Science, October 1, 1982 to September 30, 1983. (Contract No. ASARP 83781)

Rohm and Haas Company, Philadelphia, Pennsylvania, agreement for OARDC to provide wheat varieties and germplasm for the development of new wheat hybrids. OARDC is to receive royalties equal to the greater of: fifty cents per bushel, or two percent (2%) of the net selling price, Department of Agronomy. Duration of agreement--ten years from effective date.

**TOTAL - INDUSTRIAL AND OTHER CONTRACTS/GRANTS** **\$ 61,275.00**

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Gifts of \$5,000 or More

\$ 6,000.00 Dow Chemical Company, Midland, Michigan

\$ 5,000.00 Ohio Turfgrass Foundation, Columbus, Ohio

TOTAL - GIFTS OF \$5,000 OR MORE

\$ 11,000.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$65,210.00 Procter & Gamble, Cincinnati, Ohio: \$61,210.00 for Toxic Shock Research Fund and \$4,000.00 for Procter & Gamble Biological Science Fellowships Fund.

\$52,800.00 Armco Foundation, Middletown, Ohio: \$50,000.00 for Armco Foundation Grant Fund; \$2,000.00 for Student Athlete Grant-In-Aid Fund; \$600.00 for Mars G. Fontana Endowment Fund; and \$200.00 for Class of 1931 Fund.

\$27,164.00 Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$20,000.00 Harold McMaster, Woodville, Ohio, for College of Engineering Campaign Fund.

\$20,000.00 Iddings Foundation, Dayton, Ohio, for Iddings Foundation Scholarship Fund.

\$14,543.77 University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$13,112.00 Trust Under the Will of Grace Washburn, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.

\$12,900.00 Lubrizol Foundation, Wickliffe, Ohio: \$8,500.00 for Lubrizol Foundation Fellowship Fund for Chemical Engineering; \$2,000.00 for Lubrizol Foundation Scholarship Fund for Chemical Engineering; \$1,200.00 for Lubrizol Foundation Scholarship Fund for Mechanical Engineering; \$600.00 for Lubrizol Foundation Scholarship Fund for Accounting; and \$600.00 for Lubrizol Foundation Scholarship Fund for Mathematics.

\$10,072.00 Midland-Ross Foundation, Cleveland, Ohio: \$10,000.00 for Civil Engineering Construction Operations Simulation Laboratory Fund and \$72.00 for Friends of WOSU Fund.

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 10,000.00 Ohio Food Processors Association, Worthington, Ohio, for Endowed Chair in Food Industries Fund.
- \$ 9,245.00 Council for Chemical Research, Inc., Trexlertown, Pennsylvania: \$7,509.00 for Council for Chemical Research, Inc., Chemical Engineering Support Fund and \$1,736.00 for Council for Chemical Research, Inc., Chemistry Support Fund.
- \$ 6,629.97 Ross Laboratories, Columbus, Ohio: \$3,000.00 for Endowed Chair in Food Industries Fund; \$2,129.97 for Tumor Immunology Program Fund; \$1,000.00 for Hematology and Cancer Research Fund; and \$500.00 for Canter's Cave 4-H Camp Fund.
- \$ 6,000.00 Tool, Steel, Gear, and Pinion Foundation, Cincinnati, Ohio, for Gear Dynamics and Gear Noise Research Laboratory Fund.
- \$ 5,680.00 Ernst & Whinney Foundation, Cleveland, Ohio: \$5,580.00 for Ernst & Whinney Accounting Grant Fund and \$100.00 for Friends of WOSU Fund.
- \$ 5,250.00 Bausch & Lomb Optical Company, Rochester, New York: \$3,750.00 for Optometry Research Fund and \$1,500.00 for Ohio Lions Fund.
- \$ 5,000.00 Phi Beta Psi Sorority, Lima, Ohio, for Cancer Research Fund.

Establishment of Named Funds

The Harry Russell Ansel Scholarship Fund

The Harry Russell Ansel Scholarship Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Mildred Horton Ansel, B.S.Edu. '22, of Fort Lauderdale, Florida, in memory of her husband, Harry Russell Ansel, M.E. '20.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students enrolled in the College of Engineering. Awards shall be made by the Dean of the College of Engineering on the basis of (1) the completion of one full year of work; (2) the recipient must have ranked in grades for the previous full year in the upper half of his or her class; and (3) the recipient must stand in need of financial assistance with which to continue his or her studies.



November 5, 1982 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The Harry Russell Ansel Scholarship Fund (contd)

No discrimination shall be made in the awarding of such benefits on the basis of age, sex, race or religion. Graduate students shall be eligible, whether married or single, but undergraduate students shall be eligible only if single. No person shall be eligible to receive an award, nor shall any award be continued for any person who participates directly in any subversive or forceful demonstration against either the University or any branch of the Federal or State governments.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for engineering education.

##### The Mildred Horton Ansel Scholarship Fund

The Mildred Horton Ansel Scholarship Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Mildred Horton Ansel, B.S.Edu. '22, of Fort Lauderdale, Florida, in memory of her father, Elmer G. Horton, M.D.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarship assistance for students in the College of Medicine. Awards shall be made by the Dean of the College of Medicine on the basis of (1) the completion of one full year of work; (2) the recipient must have ranked in grades for the previous full year in the upper half of his or her class; and (3) the recipient must stand in need of financial assistance with which to continue his or her studies. No discrimination shall be made in the awarding of such benefits on the basis of age, sex, race or religion. No person shall be eligible to receive an award, nor shall any award be continued for any person who participates directly in any subversive or forceful demonstration against either the University or any branch of the Federal or State governments.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for medical education.

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Establishment of Named Funds (contd)

The Sphinx Endowment Fund

The Sphinx Endowment Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from members and friends of the Sphinx Senior Class Honor Society.

All gifts are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide funds for any or all of the following:

1. One or more scholarships to members of the current class of active Sphinx members who are entering or in their senior year of undergraduate study at The Ohio State University;
2. The continued maintenance and addition of class plaques to the Sphinx Plaza;
3. To cover the costs of necessary communications with Sphinx members for gift support and reunion activities.

Approval of all expenditures will be made by the Sphinx Alumni Council made up of the current active chapter Sphinx President, the Sphinx Faculty Advisor, the Director of Alumni Affairs, and three Sphinx alumni appointed by The Ohio State University Alumni Association Board of Directors.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees of The Ohio State University.

The Louise Zung-nyi Loh Scholarship Fund in East Asian Studies

The Louise Zung-nyi Loh Scholarship Fund in East Asian Studies was established November 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the friends of Louise Zung-nyi Loh, of Dayton, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

November 5, 1982 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The Louise Zung-nyi Loh Scholarship Fund in East Asian Studies (contd)

The annual income is to be used to provide one or more scholarships for undergraduate or graduate students who have demonstrated an interest in East Asian studies. The selection of the recipients is to be made upon the recommendation of the Director of the East Asian Studies Program, University Center for International Studies, in consultation with a committee of three persons, including the Director himself, the Chairperson of the Department of East Asian Languages and Literatures, and Professor Samuel C. Chu, as long as he is an active member of The Ohio State University faculty. Preference is to be given to students with academic potential and a need for financial assistance. If, in the opinion of the selection committee, there are no qualified students in any given year, the income should be carried over into the next year for use at that time.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for East Asian studies.

##### The Eugene J. Weigel Memorial Scholarship for Music Education

The Eugene J. Weigel Memorial Scholarship for Music Education was established November 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and members of The OSU Marching Band in memory of Eugene J. Weigel, Professor and Director Emeritus of the School of Music and Director of the Marching Band for ten years.

These gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded to one or more outstanding undergraduate students majoring in music. Recipients will be determined by the established procedures within the School of Music, with final approval by the Director of the School of Music, who will also approve requisitions for payment.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to awards for (1) members of the marching band, (2) music majors, and/or (3) others recommended by the appropriate administrative official of the University responsible for music education.

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The S. Rains Wallace Creativity Fund**

The S. Rains Wallace Creativity Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of S. Rains Wallace, Professor and Chairman of Psychology at OSU from 1970 to 1973, in his memory.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide resources for Department of Psychology faculty members to engage in professional renewal through attendance at conferences, workshops, and symposia in their respected fields. All expenditures are to be approved by the Chairman of the Department of Psychology and the Dean of the College of Social and Behavioral Sciences.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for psychology education.

**The Frank E. and Harriet E. Hedrick Scholarship Endowment Fund**

The Frank E. and Harriet E. Hedrick Scholarship Endowment Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Frank E. Hedrick and Harriet E. Hedrick.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships to students enrolled in the Department of Aviation with proven academic ability, financial need and good moral character. The selection of the recipient is to be made upon the recommendation of the Dean of the College of Engineering and the Chairman of the Department of Aviation. The University is authorized to invade the principal amount of the endowment as and when it shall be necessary to grant scholarships.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for engineering education.

November 5, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Torrence A. Makley Fund**

The Torrence A. Makley Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni, patients, and friends of the Department of Ophthalmology in the College of Medicine.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support and advance ophthalmology research.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Medicine's Department of Ophthalmology.

**The Dean and Lucille Tresch Scholarship Fund**

The Dean and Lucille Tresch Scholarship Fund was established November 5, 1982, by the Board of Trustees of The Ohio State University with a gift from Dean and Lucille Tresch.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a scholarship(s) to assist a sophomore, junior or senior student(s) whose major study is pomology, or food processing and technology, in the Department of Horticulture of the College of Agriculture and Home Economics. The designation of the recipient(s) is to be based upon the recommendation of the Dean of the College of Agriculture and Home Economics in cooperation with the Chairperson of the Department of Horticulture and an appropriate person from the academic area of pomology, food processing and technology. In the event that the scholarship is unused, the annual income shall be added to the principal of The Dean and Lucille Tresch Scholarship Fund.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official who is then responsible for the Department of Horticulture.

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November 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT  
UNIVERSITY ART CENTER**

Resolution No. 83-56

*Synopsis: Authorization to employ an architectural firm to provide the design for a University Art Center is requested.*

WHEREAS there is a critical need for a facility to house The Ohio State University's outstanding art collections, to provide workshop and research space for the arts, and to serve as a focal point for individual and collective creative expression in all the visual arts; and

WHEREAS to ensure the selection of a design for a University Art Center that will be distinctive, creative, and expressive of the arts, the President has proposed that architectural firms be invited to submit competitive designs, to be judged by a select jury appointed by the President; and

WHEREAS funds for construction of the Art Center, including an amount not to exceed \$150,000 to pay the firms invited to submit designs and to pay other expenses of the competition, will be provided from contributions to The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to invite architectural firms to submit competitive designs for a University Art Center, to be judged by a select jury appointed by the President; to authorize expenditure, from contributed funds, of a total amount not to exceed \$150,000 to pay the firms so invited for the submission of designs and to pay other expenses of the competition; and to employ an architectural firm after receiving recommendations from the select jury, with such actions to be reported at a later meeting of the Board.

Upon motion of Mr. Havens, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-57

*Synopsis: Approval of plans and specifications for the following project is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President has recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

November 5, 1982 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**HAYES HALL AIR CONDITIONING**

**Project:** Major renovations to Hayes Hall were completed in 1978. At that time the design included the possibility of air conditioning when funding was available. Therefore, this project will include installation of a chiller and associated equipment necessary to provide air conditioning for this complete building.

**Funding:** Local University Funds

**Estimated Project Cost:** \$89,500.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Berry, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-58

*Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS a resolution adopted by the Board of Trustees at a previous meeting authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

November 5, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**SAWTOOTH REPLACEMENT, PHASE I  
(JOHNSTON LABORATORY REMODELING)**

Description: This project will provide for remodeling in Johnston Laboratory for relocation of a portion of personnel and functions currently housed in the Sawtooth portion of McPherson Chemistry Laboratory. This will permit continuation of these programs during the necessary site clearing for, and construction of, a new chemistry building.

**General Contract**

Date Received:	September 22, 1982
No. of Bids:	10
Low Bid:	\$193,025.00*
High Bid:	\$254,744.00*
Estimate of Cost:	\$269,052.23*
Awarded to:	Ed Ross Construction, Columbus, Ohio

**Plumbing Contract**

Date Received:	September 22, 1982
No. of Bids:	7
Low Bid:	\$ 84,177.00
High Bid:	\$143,600.00
Estimate of Cost:	\$100,925.00
Awarded to:	R. H. Reeb Company, Columbus, Ohio

**Heating, Ventilating and Air Conditioning Contract**

Date Received:	September 22, 1982
No. of Bids:	7
Low Bid:	\$ 68,800.00
High Bid:	\$ 84,930.00
Estimate of Cost:	\$ 85,470.00
Awarded to:	Bruner Corporation, Columbus, Ohio

**Electrical Contract**

Date Received:	September 22, 1982
No. of Bids:	6
Low Bid:	\$ 36,197.00
High Bid:	\$ 48,565.00
Estimate of Cost:	\$ 51,537.85
Awarded to:	Frush and Homan Co., Columbus, Ohio

\* Recommended alternates reflected in these figures.



November 5, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**SAWTOOTH REPLACEMENT, PHASE I  
(JOHNSTON LABORATORY REMODELING) (contd)**

Total All Contracts: \$382,199.00  
Total Contingency Allowance: \$ 40,499.35 which is 11 per cent of construction contracts  
Total Project Cost: \$653,791.00  
Funding: Amended Substitute H. B. 552 (1981-83 Biennium) and Local Funds.

NOW THEREFORE

BE IT RESOLVED, That pursuant to the action previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the project listed above are hereby approved.

Upon motion of Dr. Jacob, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**NON-MANDATORY TRANSFER FROM CURRENT FUNDS  
FISCAL YEAR 1981-82**

Resolution No. 83-59

*Synopsis: Transfers to Loan Funds, Endowment Principal Funds, Unexpended Plant Funds, Renewals and Replacements Funds-Remodeling and Renovation, and Renewals and Replacements Funds-Repairs and Replacements is being recommended for approval.*

WHEREAS non-mandatory transfers from current funds for the fiscal year 1981-82 have been made; and

WHEREAS this accounting procedure is in compliance with the Auditor of State that all transfers made among fund groups during the fiscal year be reported:

NOW THEREFORE

BE IT RESOLVED, That the transfers as detailed in the accompanying report be accepted and approved.

Upon motion of Mr. Berry, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

November 5, 1982 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS FROM CURRENT FUNDS -  
FISCAL YEAR 1981-82**

Account Description	Account Number	Transferred from Account Number	Amount
<b>To: Loan Funds</b>			
International Students	177	015800	\$ 16,000.00
College of Medicine Emergency	187	032927	10,000.00
Mansfield Emergency	078990	031169	2,000.00
Total Transfers to Loan Funds			\$ 28,000.00
<b>To: Endowment Principal Funds</b>			
Quasi Endowments	070004	020000	\$ 7,433,629.38
Optometry Progress Fund	075508	011035	250,000.00
Total Transfers to Endowment Principal Funds			\$ 7,683,629.38
<b>To: Unexpended Plant Funds</b>			
Undergraduate Library	082001	010058	\$ (1,158.08)
Land Purchases	082027	010058	3,600,000.00
		025415	12,500.00
Traffic Signals	082030	016007	(173.58)
Cancer Center	082039	063976	4,065.44
Agronomy, Natural Resources, and Plant Pathology Building	082043	010058	81,129.00
Bulk Chemical Warehouse	082046	010058	257,600.00
Total Transfers to Unexpended Plant Funds			\$ 3,953,962.78
<b>To: Renewals and Replacements Funds Remodeling and Renovation:</b>			
Parking Lot Repairs	085071	016007	\$ 525,000.00
Computer Design Lab	085072	024313	11,772.32
		033752	2,914.87
		036295	18,070.68
Smoke Detectors - Dorms	085080	016024	1,362.29
		017200	5,723.38
Sawtooth Replacement - Phase I	085090	010058	21,632.82
St. John Arena - Lockers	085106	016019	24,096.02
Orton Hall - Windows	085117	010058	3,500.00
Ohio Stadium - Research Space	085126	010058	(19,267.00)
Conservation Projects - D.O.E.	085129	010058	9,460.83
Woodruff Avenue - Widening	085132	010058	(165.19)
Botany and Zoology Building	085138	010058	(1,294.00)

November 5, 1982 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS FROM CURRENT FUNDS -  
FISCAL YEAR 1981-82 (contd)**

Account Description	Account Number	Transferred from Account Number	Amount
<b>To: Renewals and Replacements Funds</b>			
<b>Remodeling and Renovation:</b>			
Ramseyer Hall	085141	057148	\$ (5,359.00)
Hitchcock Hall	085142	010058	(1,916.00)
Medical Administration Center - Lobby	085147	010058	1,995.47
Twelfth and High - Intersection	085148	010058	(783.61)
West Campus - Walks	085150	010058	(8,836.00)
McCracken Power Plant	085153	010058	(46,300.00)
McCracken Power Plant - Controls	085154	010058	4,474.00
Ohio Union - Elevator	085160	010058	73,000.00
		016020	13,000.00
Administration Building - Basement	085161	010058	(3,965.00)
Library - Energy Conservation	085162	010058	(24,770.00)
Hagerty Hall	085165	010058	(3,435.00)
Galvin Hall	085167	010928	18,852.00
Residence Halls - Retrofitting	085169	017301	25,000.00
Koffolt Lab	085173	010058	30,609.00
Robinson Lab	085174	010058	28,620.00
Parking Ramp Repairs	085175	016007	25,000.00
Administration Building - A/C	085179	010058	33,838.00
Rightmire Hall	085180	010058	77,082.00
Fawcett Center - Roof	085182	010058	400,000.00
Mansfield - Telephone System	085183	010942	40,577.02
Agricultural Administration Building - 4-H Hall of Fame	085184	033590	11,650.00
Hagerty Hall	085186	010058	44,549.00
<b>Total Remodeling and Renovation</b>			<b>\$1,335,688.90</b>
<b>Repairs and Replacements:</b>			
Registration Services	086904	010058	\$ (16,064.65)
Business and Administration	086905	010058	15,117.00
University Systems	086906	010058	15,000.00
Treasurer	086908	010058	12,174.00
Physical Facilities	086909	010058	124,598.79
Police	086910	010058	28,600.00
Traffic and Parking	086911	010058	(276,600.00)
		016007	257,000.00
Food Facility	086912	014006	19,268.00
Office Equipment Repair	086915	014003	41,678.00
Printing Facility	086916	014002	90,000.00

November 5, 1982 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS FROM CURRENT FUNDS -  
FISCAL YEAR 1981-82 (contd)**

Account Description	Account Number	Transferred from Account Number	Amount
<b>To: Renewals and Replacements Funds</b>			
<b>Repairs and Replacements:</b>			
Physical Facilities - Improvements	086920	014110	\$ 30,873.13
University Airport	086921	010058	(14,000.00)
		011541	58,170.48
		016014	151,542.17
Meats Laboratory	086922	011072	19,000.00
Fire Safety	086923	010058	(10,000.00)
University Properties	086926	016300	3,222.00
North Campus Apartments	086928	016390	871.00
Property Management	086929	016015	1,413.00
University Properties - Improvements	086930	016300	3,387.00
North Campus Apartments - Improvements	086932	016390	2,171.00
Telecommunications	086938	010058	52,330.78
Rathskeller	086939	016012	(4,909.28)
Food Facility - Improvements	086940	014006	8,500.00
Internal Auditing	086944	010058	5,400.00
Learning Resources	086945	010058	(1,825.29)
Libraries	086948	010058	25,000.00
Fawcett Center	086952	010058	85,000.00
Accounting	086953	010058	1,477.00
Accounts Payable	086954	010058	2,470.00
Inventory	086955	010058	1,200.00
Laundry - Improvements	086956	014004	23,931.00
Printing Facility - Improvements	086957	014002	51,700.00
Alumni Information Service	086958	010058	7,392.00
Educational Services	086959	010058	100,000.00
Dentistry	086961	010000	(110,232.90)
Ohio Union - Improvements	086963	016020	90,000.00
Transportation	086964	014100	175,700.00
NCRVE	086967	011077	15,611.23
Equipment Reserve	086994	010058	7,160,000.00
University Hospitals - Capital Equipment	086995	010058	(30,000.00)
		019000	9,294,139.76
Plant Funds - General	086999	010058	2,500,000.00
<b>Total Repairs and Replacements</b>			<b>\$20,010,305.22</b>
<b>Total Transfers to Renewals and Replacements Funds</b>			<b>\$21,345,994.12</b>
<b>Total Transfers to Plant Funds</b>			<b>\$25,299,956.90</b>

November 5, 1982 meeting, Board of Trustees

**NON-MANDATORY TRANSFERS FROM CURRENT FUNDS -  
FISCAL YEAR 1981-82 (contd)**

**RECAP**

	Account Range	Amount
Current General	0100xx	\$14,232,636.97
Current General - Regional Campuses	0109xx	59,429.02
Current General - Department Earnings	011xxx	92,781.71
Current General - Service Accounts	014xxx	441,650.13
Auxiliary Enterprises	016xxx	1,092,981.62
Residence and Dining Halls	017xxx	30,723.38
Hospitals	019xxx	9,294,139.76
Current Restricted - Endowment	02xxxx	24,272.32
Current Restricted - Development Fund	03xxxx	32,635.55
Current Restricted - Other	05xxxx	(5,359.00)
Current Restricted - OSURF	06xxxx	4,065.44
Total Non-Mandatory Transfer to Plant Funds		\$25,299,956.90

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-60

RESOLVED, That the report on the University's Investment Portfolio, dated October 15, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, December 9, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

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APPENDIX II

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

December 10, 1982



## Commencement Speaker

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### Albert Shapero

Today's speaker is held in high regard by both students and faculty on this campus. Albert Shapero, professor of management science and the holder of the William H. Davis Chair in the American Free Enterprise System, is indeed a distinguished faculty member of this University.

His achievements and honors have brought him national and international recognition and respect and have also brought great credit to The Ohio State University. His accomplishments in the field of management science are extensive and outstanding.

A faculty member since 1978, his areas of interest include entrepreneurship, small business, economic and industrial development, and management of professional activities. He has received numerous honors and awards for his work.

His varied background includes experience as a structural steel worker, soldier, farmer on a U.S. kibbutz, research engineer, president and founder of a research organization, and an engineer and manager in the missile industry. Prior to coming to Ohio State, he was a professor of management at the University of Texas at Austin.

He received his bachelor of science degree in mechanical engineering and his master of science degree in industrial engineering from the University of California at Berkeley. A member of several national and international associations, he is the author of numerous publications and has served as consultant to a number of government agencies and industrial concerns.

## Distinguished Service Awards

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### Donald P. Cottrell

Under Donald P. Cottrell's wise and prudent leadership, the College of Education became one of a handful of leadership colleges in the field of teacher education. A magnetic leader and a discerning analyst of people, he welcomed initiative on the part of his staff and provided an environment in which they could grow to full stature as educational leaders. He shared his wisdom and his understanding with educators in many countries. Through his international leadership, his scholarship, and his service to professional associations, his influence has been felt far beyond the confines of the campus. He has exemplified a commitment to the field of education that has been earnest, abiding, and truly professional. He has been generous with his time and his wisdom. His efforts on behalf of education have won for him the admiration of his colleagues from Ohio State and throughout the world.

### Sydney Nettleton Fisher

For 35 years, Sydney Nettleton Fisher served this University with distinction as a professor of history. He achieved a national and international reputation while exemplifying the best of the teacher-campus statesman. He was instrumental in promoting the international dimensions of Ohio State's programs and was deeply involved in what was to become one of the top Slavic studies programs in the country. Thoroughly trained in the professional languages of French and German, he then studied Arabic and Turkish to become conversant with the best of European scholarship. His qualifications as a publishing scholar are beyond question. His classic text on the Middle East was recently published in its third edition. The high regard in which he is held by his students is a further indication of his accomplishments as a distinguished scholar and teacher.

### William E. MacDonald

A loyal and supportive alumnus, William E. MacDonald has invested substantial amounts of time and service on behalf of this University. Through his leadership the College of Administrative Science has developed strong and growing ties with the business community. He was instrumental in creating several organizations—among them Pace Setters and Partners—that have provided substantial support to the college. He served with distinction as chairman of the board of The Ohio State University Development Fund. His significant success as a business leader has brought him through the management ranks of the Bell System to his current position as president and chief executive officer of the Ohio Bell Telephone Company. These leadership efforts combined with his selfless and persistent dedication to the interests of the University have resulted in contributions of an outstanding and lasting character.

### Everett C. Shimp

A kind and tireless exemplar, Professor Emeritus Everett C. Shimp enhanced the School of Social Work's stature as a leader in graduate education in community organization. His national reputation attracted students who today are national leaders in that field and in United Way efforts. His leadership as a professor of social work and later as director of the school was dramatic and responsive. More than any other person, he laid the groundwork for raising the academic status of social work to that of a college. A skillful communicator and patient, perceptive listener, he has enriched the community by his leadership and dedication. Many have been richly and better served because of his selfless pursuits, his dedication to Ohio State and to the profession of social work, and his ability to care about people and what happens to them.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Philosophy

- Mohamed E. M. Abdallah, Khartoum, Sudan; B.Sc. Eng. (University of Khartoum); M.S. (University of Missouri—Rolla); *Civil Engineering*; *Dr. Kamran Majidzaden*
- Kenneth Ronald Alexander, Melbourne, Victoria, Australia; B.Ec., B.Ed. (Monash University); M.A.; *Health, Physical Education and Recreation*; *Dr. Daryl Siedentop*
- Stephen Allen Altobelli, San Antonio, Tex.; B.A. (Rice University); M.S.; *Aeronautical and Astronautical Engineering*; *Dr. Robert M. Nerven*
- Dennis Keith Anderson, Johnson City, Tenn.; B.S. (East Tennessee State University); *Chemistry*; *Dr. John S. Swenton*
- Karen Surber Anderson, Saltville, Va.; B.S. (East Tennessee State University); *Pharmacy*; *Dr. Duane D. Miller*
- Nancy Roux-Teepen Baker, Columbus; B.S. (Ohio University); M.A.; M.A. (University of Cincinnati); *Anthropology*; *Dr. Erika Bouguignon*
- Kenneth Dale Beaman, Westerville; B.S. (Colorado State University); M.S. (Cleveland State University); *Medical Microbiology*; *Dr. J. Dennis Pollack*
- Yehuda Bock, New York, N. Y.; B.Sc. (Technion-Israel Institute of Technology); M.S.; *Geodetic Science*; *Dr. Ivan I. Mueller*
- Rogely Waite Boyce, Columbus; B.A. (Oberlin College); *Veterinary Pathobiology*; *Dr. Steven E. Weisbrode*
- Christopher Eric Breuleux, Wilmington; B.S.Ed., M.A. (Miami University); *Health, Physical Education and Recreation*; *Dr. Donald K. Matthews*
- Franklin Bernard Brown, Zanesville; B.S. (Muskingum College); *Chemistry*; *Dr. Isaiah Shavitt*
- Charlotte Ellison Brummett, Geneseo, N. Y.; A.B. (Miami University); M.A.T. (Indiana University); *Education*; *Dr. Gilbert A. Jarvis*
- Phillip Buriak, Johnstown, Pa.; B.S., M.S. (The Pennsylvania State University); *Agricultural Education*; *Dr. Larry E. Miller*
- Penelope Sue Campbell, Columbus; B.S. (University of Arkansas); M.A.; *Accounting*; *Dr. Thomas J. Burns*
- Wayne Earl Carlson, Burley, Idaho; B.S., M.S. (Idaho State University); M.S.; *Computer and Information Science*; *Dr. Franklin C. Crow*
- Michael C. Carr, Cincinnati; B.S. (John Carroll University); *Biochemistry*; *Dr. David H. Ives*
- Maureen Lynch Caste, Birmingham, Ala.; B.S. (University of Alabama in Birmingham); M.S.; *Chemistry*; *Dr. Daryle H. Busch*
- James Norman Chmura, Columbus; B.A. (Thiel College); M.S.; *Food Science and Nutrition*; *Dr. Michael E. Mangino*
- Hee Kyoung Cho, Seoul, Korea; B.S., M.S. (Seoul National University); *Pharmacy*; *Dr. Carter L. Olson*
- Susan Stickel Coady, Dayton; B.S. (Wittenberg University); M.S.; *Home Economics*; *Dr. Barbara M. Newman*
- Harold David Cole, Tulsa, Okla.; B.A., M.A. (University of Tulsa); M.A.; *History of Art*; *Dr. Franklin M. Ludden*
- James D. Cowan, Willshire; B.A. (Ohio Wesleyan University); M.A.; *Education*; *Dr. James J. Buffer*
- Sterling M. Cox, Brooklyn, N. Y.; B.A. (Oakwood College); M.Ed. (Alabama Agricultural and Mechanical University); *Education*; *Dr. William D. Dowling*
- Lynn Ann Darby, Cambridge; B.S., M.A.; *Physical Education*; *Dr. Robert L. Bartels*
- Amal K. David, Detroit, Mich.; B.A. (Lubbock Christian College); M.A. (Michigan State University); *Communication*; *Dr. James L. Golden*
- William Lewis Davis, Kingsport, Tenn.; B.A. (Carson-Newman); M.A. (Wake Forest); *Communication*; *Dr. Keith Brooks*
- Randall Lee Detra, Mertztown, Pa.; B.S. (Indiana University of Pennsylvania); M.S. (Ohio University); *Entomology*; *Dr. William J. Collins*
- Judith Ann DiIorio, Fort Wayne, Ind.; B.A. (University of Delaware); M.A.; *Sociology*; *Dr. Laurel W. Richardson*
- Jay D. Dobbin, Laurel, Mont.; A.B. (Saint Edward's); S.Th.L., S.Th.D. (Saint Anselmo, Rome University of Saint Thomas); *Anthropology*; *Dr. John C. Messenger*
- Patricia Alloy Doerman, Cincinnati; B.S., M.E. (University of Cincinnati); *Education*; *Dr. Dewey A. Adams*
- Jarlen Don, Taipei, R.O.C.; B.S. (National Tsing-Hua University); *Metallurgical Engineering*; *Dr. David A. Rigney*
- Leslie Peralta Duffey, Worthington; B.S.Ed. (Miami University); M.Ed. (Xavier University); M.A.; *Education*; *Dr. Roy A. Larmee*
- Saad Sayed Ahmed El-Azazy, Mansoura, Egypt; B.Sc. (Cairo University); M.S.; *Civil Engineering*; *Dr. Alfred G. Bishara*
- Narymane Abdulhamed ElNashar, Cairo, Egypt; B.A. (Ain Shams University); M.A.; *Education*; *Dr. Robert E. Jewett*
- Donna Gutentag Estreicher, Beachwood; B.A., M.A.; *Psychology*; *Dr. Henry Leland*
- William Steven Fillers, Columbus; B.S.; *Food Science and Nutrition*; *Dr. John B. Altred*
- Mary Katherine Foecking, Chardon; B.S. (University of Dayton); M.S.; *Physiological Chemistry*; *Dr. Thomas E. Webb*
- Lillian Clemons Franklin, Columbus; B.A. (College of Wooster); A.M. (University of Illinois); *Romance Languages and Literatures*; *Dr. Grinor Rojo*
- Gloria S. Friend, Baltimore, Md.; B.S. (Coppin State College); M.Ed. (Loyola College); *Education*; *Dr. Thomas M. Stephens*
- Virginia H. Fry, Manhattan, Kans.; B.A. (Webster College); M.A. (Bowling Green State University); *Communication*; *Dr. William R. Brown*
- Leah M. Fygetakis, Cuyahoga Falls; B.S.; M.A.; *Psychology*; *Dr. Richard K. Russell*
- Charles F. Gibson, Wooster; B.A. (College of Wooster); M.A. (Wake Forest University); *Psychology*; *Dr. Felicitas C. Serafica*
- Francine Giles, Stanton, Tenn.; B.S. (University of Tennessee at Martin); M.S. (Memphis State University); *Education*; *Dr. Robert J. Silverman*
- Nellice Marie Gillespie-Woltemade, Delaware; B.A. (University of Missouri at Kansas City); M.A. (University of Texas); *Sociology*; *Dr. Laurel E. Richardson*

- Albert M. Goff, New Middletown; B.S. (Malone College); M.S. (Purdue University); *Entomology*; *Dr. Lowell R. Nault*
- Helen Kay Grant, Columbus; B.S., M.S.; Education; *Dr. Jack R. Frymier*
- Linda L. Foster Green, St. Paul, Minn.; B.A., M.A.; *Sociology*; *Dr. Alfred C. Clarke*
- Ethel Patricia Harris, Wellsburg, W. Va.; B.A. (West Liberty State College); M.A.; *Communication*; *Dr. John J. Makay*
- Helen Jean Hatley, Augusta, Ga.; B.A. (Berea College); M.A.; *Education*; *Dr. Frank J. Zidonis*
- Robin Rei Hikida, Davis, Calif.; A.B. (Princeton University); M.A.; *Psychology*; *Dr. Pamela S. Highlen*
- John Stanley Hill, London, Ontario, Canada; D.Pe. (Jordan Hill College); M.A. (University of Western Ontario); *Health, Physical Education, and Recreation*
- Diane Marie Hoffman, Akron; B.S. (University of Akron); *Physics*; *Dr. James C. Garland*
- James Carroll Hogg, Worthington; B.S.Ed., M.F.A.; *Art Education*; *Dr. Robert L. Arnold*
- Howard Eugene Huston, Arcanum; B.A. (Otterbein College); M.A.; *Education*; *Dr. Roy A. Larmee*
- Timothy John Ilg, Akron; B.A. (Malone College); M.A.; *Education*; *Dr. Elsie J. Alberty*
- Daral John Jackwood, Coatesville, Pa.; B.S. (University of Delaware); M.S.; *Poultry Science*; *Dr. Yehia M. Saif*
- Robert Keith Jansen, Oshkosh, Wis.; B.S. (University of Wisconsin—Oshkosh); *Botany*; *Dr. Tod F. Stuessy*
- Patrick Kagan-Moore, Columbus; B.S. (Oregon State University); M.A. (Western Washington University); *Theatre*; *Dr. George P. Crepeau*
- Elizabeth Ford Kennedy, Columbus; B.A. (Purdue University); M.A.; *Education*; *Dr. Thomas M. Stephens*
- Leslie Helen Kern, Yellow Springs; B.A. (University of Cincinnati); M.A.; *Psychology*; *Dr. Herbert L. Mirels*
- Lee Edwin Kirsch, Columbus; B.S. (Purdue University); *Pharmacy*; *Dr. Robert E. Notari*
- Lenny Albert Krieg, Cincinnati; B.S. (Purdue University); M.S.; *Geodetic Science*; *Dr. Urho A. Uotila*
- David Richard Larson, Columbus; B.A. (Hanover College); M.A. (Case Western Reserve University); *History*; *Dr. Austin K. Kerr*
- Chih-kuo William Lee, Taipei, R.O.C.; B.S. (National Taiwan University); M.S. (The University of Akron); *Chemical Engineering*; *Dr. Robert S. Brodkey*
- Chen-Hsin Lien, Hsinchu, R.O.C.; B.S. (Tsinghua University); *Physics*; *Dr. James R. Gaines*
- Francis Joseph Luzzi, Columbus; B.S. (Union College); M.S. (Rennselaer Polytechnic Institute); *Anatomy*; *Dr. James S. King*
- Linda Louise Locher, Oreland, Pa.; B.A. (Dickinson College); M.A., M.A.; *Psychology*; *Dr. Richard K. Russell*
- Willie Hsiao-tsu Loh, New York, N. Y.; B.A. (Columbia University); M.S. (Rutgers University); *Microbiology*; *Dr. Robert H. Miller*
- Donna Reseigh Long, Mesilla Park, N. Mex.; B.S., M.S. (Indiana University); *Education*; *Dr. Gilbert A. Jarvis*
- Gary Andrew Luzio, Newark; B.S.; *Chemistry*; *Dr. Robert M. Mayer*
- Marilyn Turner Lyga, Blacksburg; B.S. (Virginia Polytechnic Institute and State University); M.A.; *Psychology*; *Dr. Neal F. Johnson*
- William J. Lydon, Columbus; B.A. (Bowling Green State University); *Political Science*; *Dr. Randall B. Ripley*
- Joseph John Lynch, Baltimore, Md.; B.S. (Loyola College); *Pharmacy*; *Dr. Ralf G. Rahwan*
- Kurt Max Malkoff, Youngstown; B.A., M.A.; *Psychology*; *Dr. Henry Leland*
- Larry Lee McDaniel, Wooster; B.S. (Alderson-Broadbent College); M.S. (West Virginia University); *Plant Pathology*; *Dr. Donald T. Gordon*
- Michael Millard Milks, Amherst; B.S. (Ohio Northern University); *Pharmacology*; *Dr. Daniel Couiri*
- Oak Key Min, Seoul, Korea; B.E., M.E. (Yonsei University); *Engineering Mechanics*; *Dr. Sunder H. Advani*
- Mark Lawrence Mitchell, Blacksburg, Va.; A.B. (Washington and Lee University); M.A.; *Psychology*; *Dr. Thomas M. Ostrom*
- Terry Wayne Mitchell, Phoenix, Ariz.; B.S. (Arizona State University); M.A.; *Psychology*; *Dr. Richard J. Klimoski*
- Eric Bronson Nelson, Troy; B.A. (Indiana University); M.S.; *Plant Pathology*; *Dr. Harry A. Hoitink*
- Ralph Thomas Nicolosi, Columbus; B.A., M.S.; *Horticulture*; *Dr. Jean R. Geisman*
- Roosevelt Nixon, Upper Montclair, N. J.; B.A. (Morris College); M.A. (Seton Hall University); *Education*; *Dr. Joseph J. Quaranta*
- Nnadozie Nkemdirim Nkpa, Umuahia, Imo, Nigeria; B.S., M.Food Tech. (Higher Institute of Food and Flavor Technology); M.S.; *Chemistry*; *Dr. Gideon A. Fraenkel*
- Eleanor Pauline Nystrom, Columbus; B.S. (Northern Illinois University); B.S. (University of Puget Sound); M.S. (Boston University); *Education*; *Dr. James K. Duncan*
- Uche S. Okeafor, Owerri, Imo, Nigeria; B.S.B.A. (Aquinas College); M.A. (Western Michigan University); M.Acc.; *Business Administration*; *Dr. Bernard J. LaLonde*
- Donald Joseph Omahan, Lorain; A.B. (Kenyon College); M.A. (Fairfield University); *Education*; *Dr. Robert J. Silverman*
- Hun Young Park, Korea; B.B.A. (Seoul National University); M.B.A.; *Business Administration*; *Dr. Andrew H. Chen*
- Bruno Peter-John Parolin, Pakenham, Upper Victoria, Australia; B.A. Hons. (Monash University); M.S. (Oklahoma State University); *Geography*; *Dr. Howard L. Gauthier*
- Juan Jose Patee, Columbus; B.A. (La Universidad de La Habana); M.Ed. (Boston University); *Education*; *Dr. Gilbert A. Jarvis*
- Doyt Lee Perry, Bowling Green; B.S. (Bowling Green State University); M.S.; *Computer and Information Science*; *Dr. H. W. Buttelmann*
- Srichan Phornchirasilp, Bangkok, Thailand; B.Sc., M.S. (Mahidol University); *Pharmacy*; *Dr. Dennis R. Feller*
- Carol Jean Pierson, Chaska, Minn.; B.S. (University of Minnesota); M.S. (University of Kentucky); *Animal Science*; *Dr. Herbert W. Ockerman*
- Mohammad Dawod Rajab, Kuwait, Kuwait; B.Sc., B.Sc. (The University of Michigan); M.S.; *Mechanical Engineering*; *Dr. Donald R. Houser*
- Guy Michel Raynaud, Paris, France; *Engineering (University of Grenoble)*; *Metallurgical Engineering*; *Dr. Robert A. Rapp*
- John Eric Reardon, Boring, Ore.; B.A. (Willamette University); *Chemistry*; *Dr. Perry A. Frey*
- Frederick Richard Rohs, Columbus; B.S., M.S. (Kansas State University); *Agricultural Education*; *Dr. J. Robert Warmbrod*
- Norman Robert Rose, Columbus; B.A. (Marietta College); M.A. (Kent State University); *Sociology*; *Dr. Alfred C. Clarke*
- Daryl Marcus Rowe, Cincinnati; B.A. (Hampton Institute); M.A.; *Psychology*; *Dr. Richard K. Russell*
- Kenneth Frederick Runciman, Frankston, Victoria, Australia; B.A., B.Ed. (University of Melbourne); M.Ed. (Monash University); *Education*; *Dr. Thomas M. Stephens*

Deborah Beth Schaffer, Fredonia, N. Y.; B.A. (University of Rochester); M.A.; *Linguistics; Dr. Ilse Lekhiste*

Rita M. Schneider-Sliwa, Oberhausen, West Germany; B.A., Cand.Phil. (Rheinisch-Westfälische Technische Hochschule Aachen); M.A.; *Geography; Dr. Lawrence A. Brown*

George Stephen Semsel, Stamford, Conn.; B.A. (Wagner College); M.A. (University of Iowa); M.A. (New York University); *Education; Dr. Robert W. Wagner*

Diane Marie Sharkey, Princeton, N. J.; B.S. (Moravian College); M.S.; *Animal Science; Dr. Walter R. Harvey*

Ching-Hsien Shih, Taipei, R.O.C.; B.S., M.S. (Fu Jen University); *Mathematics; Dr. G. Neil Robertson*

Arthur Daniel Smith, Jr., Grambling, La.; B.S. (Grambling State University); M.Ed. (University of Southwestern Louisiana); *Education; Dr. Lonnie H. Wagstaff*

Robert T. Soppelsa, Cleveland; B.A., M.A.; M.A. (New York University); *History of Art; Dr. Mathew Herban*

Alina A. Souza, Rio de Janeiro, Brazil; B.S. (Universidade Federal da Bahia); B.S. (Universidade de Brasília); M.P.H. (Tulane University); *Education; Dr. Gregory Trzebiatowski*

Gregory Lynn Stephens, Enon, O.D., M.S.; *Physiological Optics; Dr. Ronald Jones*

Daniel C. Stevens, Dayton; B.A. (Cedarville College); Th.M. (Dallas Theological Seminary); *Education; Dr. William D. Dowling*

Catharine Michaux Stout, Marion; B.S.Soc.Wel., M.S.W.; *Social Work; Dr. Samuel L. Dixon*

Rosemarie C. Teran, Quito, Ecuador; B.A. (Pontificia Universidad Catolica del Ecuador); M.A. (Mount Holyoke College); *Education; Dr. Joseph W. Licata*

Michael David Trudeau, Columbus; B.A., M.A.; *Communication; Dr. Edward J. Hardick*

Richard Paul Urbaneck, Pinckneyville, Ill.; B.S., M.A. (Southern Illinois University); *Zoology; Dr. Theodore A. Bookhout*

Tara T. Van Toai, Dublin; B.S. (National Institute of Agriculture); M.S. (Cornell University); *Agronomy; Dr. John L. Parsons*

Marsha Livingston Vas, Santa Rosa, Calif.; B.S.Ed., M.Ed., M.Ed. (Wright State University); *Education; Dr. Joseph J. Quaranta*

Jose Simon Villa, Newark; B.S., M.S. (University of Oregon); *Education; Dr. Luvern L. Cunningham*

Edward Dennis Waller, Kettering; B.A. (Seton Hall University); M.A. (University of Dayton); *Psychology; Dr. Henry R. Angelino*

An-Jenq Wang, Taipei, R.O.C.; B.S. (Taiwan National Marine College); M.S. (University of Nebraska); *Engineering Mechanics; Dr. June K. Lee*

Ying Thomason Wang, Taipei, R.O.C.; B.S. (National Taiwan Normal University); M.S.T. (University of Wisconsin—Superior); *Zoology; Dr. Theodore A. Bookhout*

Joseph Wyrick Warren, Greensboro, N. C.; B.A. (Oakwood College); *English; Dr. Thomas M. Woodson*

Nodie Monroe Washington, Wilberforce; B.S. (Southern University); M.S. (Rutgers University); *Chemistry; Dr. Roger E. Gerkin*

Ellen Martha Weinhouse, Columbus; B.A., M.A. (Cleveland State University); *Psychology; Dr. Henry R. Angelino*

Patricia Simmons Wilson, Columbus; B.S. (Ohio University); M.A.; *Education; Dr. Richard J. Shumway*

Terry Lee Wilson, Columbus; B.A. (Olivet Nazarene College); M.A.; *Education; Dr. Anthony C. Riccio*

Mary Lee Cathey Wright, Glendale, Wis.; B.S. (University of Northern Alabama); M.A.; Ed.S. (George Peabody College); *Health, Physical Education, and Recreation; Dr. Jacqueline Herkowitz*

Tu-Hsin Yan, Taipei, R.O.C.; B.A. (National Chung Hsing University); M.S. (National Taiwan University); *Chemistry; Dr. Leo A. Paquette*

William Lewis Young, Bethany, W. Va.; A.B. (Bethany College); M.A.; *History; Dr. Robert H. Bremner*

Iman Abdalla Yousry, Buffalo, N. Y.; B.S., M.S., M.S.; *Statistics; Dr. Kamesh C. Srivastava*

ViLora Lyn Zalusky, Cherry Hill, N. J.; B.A. (Randolph Macon Woman's College); M.A.; *Education; Dr. Victor M. Rental*

### Master of Accounting

Alfred Angus Nickerson, Granville; B.S.; *Accounting*

Gary L. Pence, Springfield; B.S. (Wright State University); *Accounting*

### Master of Architecture

Randall Allen Fischer, Bucyrus; B.S.Arch.; *Architecture*

Jerome Ezeanonye Nwokeji, Akuma (Orlu), Imo, Nigeria; B.S. (The University of Oklahoma); *Architecture*

### Master of Arts

M. Atiim Abayomi, Ghana, West Africa; B.S. (Central State University); *Psychology*

Alfred Randy Allen, Columbus; B.S.Ed.; *Education*

Cheryn Elizabeth Alten, Columbus; B.M.E. (Otterbein College); *Music*

Richard McBride Ashbrook, Elkridge, Md.; B.S. (University of Maryland); *Psychology*

Phyllis Leslie Ayer, San Diego, Calif.; A.B. (Stanford University); B.S. (University of Washington); *Physical Education*

Vicki Lynn Ayotte, Columbus; B.S.Ed.; *Education*

Valerie S. Bacharach, Pittsburgh, Pa.; B.S.Ed. (Ohio University); *Education*

Mahzarin R. Banaji, Secunderabad, Andhra Pradesh, India; B.A. (Nizam College, Osmania University); *Psychology*

Annette Bassett, Columbus; B.S.Bus.Adm.; *Physical Education*

Janis Marie Bauer, Columbus; B.A. (Miami University); *Education*

Earl Robert Beam III, Muskegon, Mich.; B.A. (Hope College); *Physical Education*

James F. Bebee, Augusta, Maine; B.A., B.S. (Otterbein College); *Education*

Deborah Jeanne Behr, Fairborn; B.E. (Ohio University); *Education*

William Scott Behrens, Columbus; B.A.; *Slavic and East European Languages and Literatures*

Linda Lou Blunk, Ashland; B.S. (Grace College); *Education*

Timothy Patrick Boeh, Ashland; B.A.; *Slavic Languages and Literatures*

Ann R. Bremner, Worthington; B.A.; *History of Art*

Mary Beth Brennan, Columbus; B.A.; *Communication*

Glenn Jefferson Browne, Bowling Green; A.B. (University of Michigan); J.D.; *Journalism*

Deidre Dews Burris, Westerville; B.A. (University of Delaware); *Art Education*

Yvonne Heather Burry, Upper Arlington; B.A. (University of Colorado); *Journalism*

- Diana Lynn Chamrad, Yoakum, Tex.; B.A. (University of Texas); *Psychology*
- Li-Chong Chang, Taipei, R.O.C.; *East Asian Languages and Literatures*
- Laura Daane Chrouh, Cincinnati; B.A. (Oral Roberts University); *Education*
- Hui-Sheng Lee Chung, Taiwan, R.O.C.; B.A. (Taiwan University); *History*
- Lorraine Spotts Clark, Columbus; B.A. (Lake Erie College); *Education*
- Montgomery Louis Clegg, Worthington; B.A.Jour.; *Physical Education*
- Velma Grace Cole, Ashville; B.A. (Coe College); M.S.W.; *Public Administration*
- Lori Sue Collner, South Bend, Ind.; B.A. (Indiana University at South Bend); *Psychology*
- Leslie Karen Compson, Worthington; B.A. (University of Cincinnati); M.A.; *Journalism*
- Debra Jean Coss, Graytown; B.Ed. (University of Toledo); *Education*
- Constance Lee Coughenour, Kirkersville; B.S.; *Physical Education*
- Dannie Floyd Damerville, Winter Park, Fla.; B.A. (Florida State University); *English*
- Kathryn Lois Daniels, Lima; B.S.Ed.; *Education*
- Bradley A. Danielson, Columbus; A.B. (Davidson College); *Photography and Cinema*
- Jennifer Lynn Davidson, Worthington; B.S.Ed. (Ohio University); *Education*
- Gary John Dean, Columbus; B.S. (Miami University); *Education*
- Barbara Turner DePalma, Dublin; B.S.Ed.; *Education*
- Brian Richard DePasquale, Canton; B.A.; *Physical Education*
- Charles Gordon Dilbone, Celina; B.A. (Muskingum College); *Education*
- William Henry Dodd, Columbus; B.A. (Hiram College); *Education*
- Pamela S. Ellinger-Dixon, Springfield; B.A. (University of Kentucky); *Education*
- Celeste Sarto Etkorn, Columbus; B.S. (Bowling Green State University); *Education*
- Cheryl Anita Evans, Augusta, Ga.; B.A. (Fisk University); *Psychology*
- Ronald C. Fansler, Columbus; B.A. (Urbana College); *History*
- Timothy Alan Farmer, North Muskegon, Mich.; B.S. (Lake Superior State College); *Accounting*
- Nicole Christine Fernandez, Mansfield; B.A. (Washburn University); *Psychology*
- Jamie Sue Fine, Columbus; B.A.; *Education*
- Samuel Wayne Forsythe, Washington C. H.; B.A. (Ohio University); *Education*
- Judith A. Furnas, Worthington; B.A. (Wittenberg University); *Education*
- Edward Leland Gaetz, Columbus; B.A. (Ohio Dominican College); *Political Science*
- Lisa Jo Gainer, Potomac, Md.; B.S. (Towson State University); *Communication*
- Susan Marie Galipo, East Hartford, Conn.; B.S. (University of Connecticut); *Accounting*
- Francis Martin Glynn, Jr., Sycamore, Ill.; B.A. (Northern Illinois University); *English*
- Ralph Elliot Gott, Newton, Mass.; B.S. (University of Massachusetts); *Psychology*
- Olafur Gudmundsson, Isafjordur, Iceland; B.A. (St. Olaf College); *Economics*
- Dale Fredrick Hachten, Marion; B.A.; *English*
- Judith Patrice Hampton, Albany, Ga.; B.S. (Albany State College); *Music*
- Robin Mary Harris, Columbus; B.A.; *Public Administration*
- Patricia Jean Hayes, Columbus; B.S.Ed.; *Education*
- Eric F. Heyne, Seattle, Wash.; B.A. (University of Washington); *English*
- Martha Gregory Hill, Columbus; B.A. (University of California, Los Angeles); *Psychology*
- Bernadette Janice Holmes, Norfolk, Va.; B.A. (Norfolk State University); *Sociology*
- Willie C. Holmes, Birmingham, Ala.; B.A. (Bethune-Cookman College); *Political Science*
- Steven John Huber, Cincinnati; B.A. (University of Cincinnati); *Psychology*
- Udoh Charles Itauma, Columbus; (Higher National Diploma Polytechnic of Wales); Graduate Diploma (Northeast London Polytechnic); *Education*
- Elizabeth Arnel Jones, Columbus; B.S.; *Education*
- Erik Jul, Columbus; B.A. (Hope College); *Classics*
- Deborah Anne Kalman, Columbus; B.S.Soc.Wel.; *Education*
- Lingjiin Kang, Taiwan, R.O.C.; B.A. (National Taiwan Normal University); *Physical Education*
- Cynthia Lynn Kayvan, Grove City; B.M. (Ohio University); *Music*
- Jeanette Barbara Kelley, Columbus; B.A.; *Sociology*
- Mary Lisa Kephart, Painesville; B.A.; *Communication*
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- Jodi Lee Lodge, Columbus; B.S. (Miami University); *Education*
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- Cynthia Ann McVicker, Mansfield; B.S.; *Education*
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- Karen Shultz Milhoan, Worthington; B.S.Ed.; *Education*
- Marie Bucu Morgan, Columbus; B.S. (Northeastern University); *Education*
- Karol S. Moxley, Columbus; B.S. (Michigan State University); *Education*

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- Judith Ann Murphy, Canton; B.S. (Kent State University); *Education*
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- Jacquelyn Sue Redman, Midland, Mich.; B.A. (Michigan State University); *Communication*
- Mohammed Saleh Resayes, Riyadh, Saudi Arabia; B.A. (Helwan University); *Art*
- Duck Kee Rhee, Chung-do, Korea; B.S. (Keimyung National University); *Education*
- Gregory Paul Rhine, Columbus; B.S.; *Physical Education*
- Deborah Lynne Rinderknecht, Warren; B.G.S., M.L.S. (Kent State University); *Political Science*
- Dawn R. Rodeheffer, Elyria; B.A. (Baldwin-Wallace College); *Education*
- Allie J. Roe, Columbus; A.B. (Valdosta State College); *Journalism*
- Kim Lorraine Ronald, New Concord; B.M. (Muskingum College); *Education*
- Vito Albert Rossi, Cincinnati; B.S. (Xavier University); *Education*
- Ana Saveanu, Columbus; B.A., M.A. (University, "C. I. Parhon"); *Education*
- Rickne C. Scheid, Columbus; B.A. (Ohio Wesleyan University); D.D.S.; *Education*
- Eleanor Pugh Schooley, Columbus; B.S., B.A.; *Art Education*
- Barbara Ann Sepe, Syosset, N. Y.; B.S.Ed. (Ashland College); *Health, Physical Education and Recreation*
- Alice Lavern Shadding, Philadelphia, Pa.; B.A. (Hampton Institute); *Education*
- Valerie Shafer, Columbus; B.F.A.; *Education*
- Charles Alan Shearrow, Worthington; B.S.; *Education*
- Janelle Lené Showalter, Akron; B.A.; *Photography and Cinema*
- Jacy Showers, Randolph; B.S. (Kent State University); M.S. (Southern Illinois University); Ed.D. (University of North Carolina); *Physical Education (Health Education)*
- Christine Jeanette Signoracci, Mount Vernon; B.A.; *Communication*
- Jodi Rae Simmonds, Bloomfield Hills, Mich.; B.A. (Michigan State University); *Communication*
- Daniel John Sipek, Columbus; B.A. (Ohio Dominican College); *Education*
- Mark Reed Stoner, Altoona, Pa.; B.S. (Pennsylvania State University); *Communication*
- Sandra Elaine Stoots, Greenville; B.S. (East Tennessee State University); *Education*
- Gordon Fenton Strickland, Buffalo, N. Y.; B.A. (Shelton College); Tchr.Cert. (Glassboro State); M.A. (Covenant Seminary); *Education*
- Shannon Lea Strong, Columbus; B.A. (University of Vermont); *Communication*
- Graeme Leslie Sullivan, Sydney, New South Wales, Australia; Diploma (Alexander Mackie College); *Art Education*
- Andrew Swanzy-Essien, Jr., Anomabu, Central Region, Ghana; Diploma (Leeds University); *Education*
- Aysen Itir Tanyeri, Ankara, Turkey; B.S.Bus.Adm.; *Economics*
- Estelle LaBarbara Thomas, Norfolk, Va.; B.A. (Virginia State University); *Sociology*
- Patrick Allen Thomas, Belle Valley; B.S.; *Physical Education*
- Maria R. Torres, Rio Piedras, P. R.; B.A. (University of Puerto Rico); *History*
- James Bruce Unkefer, Columbus; B.S.; *Linguistics*
- Jeanne Ann Webster, Marion; B.S.Ed.; *Education*
- Warren Michael Weis, Columbus; B.S. (Bowling Green State University); *History*
- Gerald Duane Welsh, Cadiz; B.A. (Ohio Wesleyan University); J.D. (Capital University); *Public Administration*
- Michael Gregory Whitfield, Columbus; B.A. (Kent State University); *Journalism*
- Edwin Dunne Williams, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Laura G. Wimbish, Greensboro, N. C.; B.S. (Guilford College, University of North Carolina); M.Ed. (Boston State College); *Psychology*
- Julia Anne Wolford, Newark; B.S.Ed.; *Education*
- Sandra Lee Yannon, Columbus; B.A.; *Romance Languages and Literatures*
- George Joseph Zaronas, Mansfield; B.A. (University of Connecticut); *Education*
- Susan Patricia Zorb, Columbus; B.S. (University of Kentucky); *Education*
- Anne Marie Zurecher, Columbus; B.A.; *Photography and Cinema*

## Master of Business Administration

- Dirk Mason Cantrell, Columbus; B.S.Ed.; *Business Administration*
- Randy Allen Combs, Columbus; B.B.A. (Marshall University); M.B.A.; *Business Administration*
- Christopher J. Fisher, Columbus; B.S.; *Business Administration*
- Linda Sue Fleming, Ada; B.S.; *Business Administration*
- Mark Leo French, Columbus; B.S.I.S.E.; *Business Administration*
- Marianne Gorby, Bridgeport, B.S.; *Business Administration*
- Kathryn Ann Henderson, Worthington; B.B.A., B.A. (Saint Mary's College); *Business Administration*
- Mark Reinhold Hollinger, Worthington; B.A. (Capital University); *Business Administration*
- John Charles Hopkins, Pittsburgh, Pa.; B.B.A. (University of Wisconsin); *Business Administration*
- Mary Ellen Hurt, Columbus; B.A.; M.L.S. (Kent State University); *Business Administration*
- Sherrie Lee Iddings, Troy; B.B.A. (Indiana University); *Business Administration*
- Edwin Jefferson Lukens, Columbus; B.S.Bus.Adm.; *Business Administration*
- Yair Jack Marcus, Tel-Aviv, Israel; B.S.Arch.; *Business Administration*
- Donald Wayne McCaskey, Columbus; B.S.Bus.Adm.; *Business Administration*
- Michael Ashton McCollough, Columbus; B.S.Bus.Adm.; *Business Administration*
- Marcia E. Oban, Fort Lauderdale, Fla.; B.B.A. (Bethune-Cookman College); *Business Administration*

Camilo Lalap Opeña, San Pablo City, Philippines; B.S.A., M.A.B. (University of the Philippines); *Business Administration*

Cynthia Ann Osburn, Daytona Beach, Fla.; B.S.Bus.Adm.; *Business Administration*

Jeanne Lauren Sheppard, Ashville; B.S.Bus.Adm.; *Business Administration*

Joseph Thomas Spencley, Jr., Toledo; B.S.; *Business Administration*

Jeffrey J. St. Clair, Columbus; B.A. (Pennsylvania State University); M.A., Ph.D.; *Business Administration*

Erol Usten, Istanbul, Turkey; B.S.C. (Birmingham University); *Business Administration*

Dennis P. Williamson, Cincinnati; B.S.; *Business Administration*

## Master of City and Regional Planning

Wei-Shiou Cheng, Taipei, R.O.C.; B. of Architecture (Chun-Yuan College); *City and Regional Planning*

Michael Lewis Greenberg, Cincinnati; B.A. (University of Cincinnati); *City and Regional Planning*

Joseph Michael Mazur, Poland; B.A. (Youngstown State University); *City and Regional Planning*

Mal-Soon Min, Pusan, Korea; B.A. (Seoul National University); *City and Regional Planning*

Renis Marie Rahn, West Hartford, Conn.; B.A. (Mount Holyoke College); *City and Regional Planning*

Lih-Yau Song, Taipei, R.O.C.; B.S. (National Cheng Kung University); *City and Regional Planning*

Hong-Tau Sung, Taipei, R.O.C.; B.Arch. (College of Chinese Culture); *City and Regional Planning*

M. Lonnie Terry, Columbus; B.A.; *City and Regional Planning*

## Master of Fine Arts

Robert Warren Martens, West Nyack, N. Y.; B.F.A. (Carnegie-Mellon University); *Art*

Nanette Lucia Yragui, Tempe, Ariz.; B.F.A. (Arizona State University); *Art*

## Master of Labor and Human Resources

Graciela Armas-Diaz, Caracas, D.F., Venezuela; Licentiate (Universidad Catolica Andres Bello); *Labor and Human Resources*

Sandra M. Bengert, Hamilton; B.S. (Miami University); *Labor and Human Resources*

Debra Jo Cohen, Cranston, R. I.; B.Sc. (Ohio University); *Labor and Human Resources*

James Wayne Downey, Sunbury; B.A.; *Labor and Human Resources*

Michael Lee Drakulich, Columbus; B.A.; *Labor and Human Resources*

Michael John Humphrey, Columbus; B.S. (Michigan State University); *Labor and Human Resources*

Lynn Marie Kocher, Columbus; B.S. (University of Connecticut); M.P.H. (University of Michigan); *Labor and Human Resources*

Jennifer Marie O'Brien, Columbus; B.A. (Miami University); *Labor and Human Resources*

James F. Saunier, St. Louis, Mo.; B.A. (University of Missouri, St. Louis); M.A.T. (Webster College); *Labor and Human Resources*

Stephen Mark Shaffer, Columbus; B.B.A. (Bowling Green State University); *Labor and Human Resources*

## Master of Landscape Architecture

Jeannine Anne Sturgeon, Des Moines, Iowa; B.A. (Oregon State University); *Landscape Architecture*

## Master of Science

Ibrahim Farag Abdulhamid, Benghazi, Libya; M.B.Ch.B. (University of Garyounis); *Ophthalmology*

William Freyer Abeles, Bethlehem, Pa.; B.S. (Cornell University); *Entomology*

Faysal Y. Al-Abbass, Damascus, Syria; B.Sc. (Damascus University); *Electrical Engineering*

Susan Jane Metzger Alden, Delphos; B.S.Nurs.; *Nursing*

Mahmoud Abdel S. Ali, Giza, Cairo, Egypt; B.D.S., H.D.D. (Cairo University); *Dentistry*

Robert Allen Anderson, Alexandria; B.S.W.E.; *Welding Engineering*

Sidikat Modupe Andu, Ibadan, Oyo, Nigeria; B.S. (Michigan State University); *Horticulture*

David Webster Arnold, Bethany, Okla.; B.S.W.E.; *Welding Engineering*

Vivian Lee Baber, Jefferson; B.S.; B.S. (Kent State University); *Nursing*

Salah El Din Hassan Babiker, Khartoum, Sudan; B.V.Sc. (University of Khartoum); *Veterinary Preventive Medicine*

Edward Michael Baker, Forestville, Conn.; B.A. (Eastern Connecticut State College); *Geodetic Science*

Jerry J. Baron, Lyndhurst; B.S.Agr.; *Horticulture*

Joseph Carter Barone, Miami, Fla.; B.S.; *Welding Engineering*

Carlo Eduardo Barrientos, El Paso, Tex.; B.S.E.E. (Rice University); *Electrical Engineering*

Janice Kay Bartel, South Euclid; B.S. (Miami University); *Home Economics*

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Donna Marie Bell, Redlands, Calif.; B.S. (University of California, Davis); *Home Economics*

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Thomas Edward Bihari, New Philadelphia; B.S. (Kent State University); *Mathematics*

Joyann Binsley, Hanoverton; *Agricultural Economics and Rural Sociology*

Timothy William Bischoff, Hilliard; *Plant Pathology*

James Edward Black, Dayton; B.S.C.I.S.; *Computer and Information Science*



- Theresa Lynn Blake, Columbus; B.S. (West Virginia University); *Allied Medical Professions*
- Cynthia Sue Bloss, Wadsworth; B.S. (University of Toledo); *Pharmacy*
- William Fredrick Boyce, Girard; B.S.M.E.; *Mechanical Engineering*
- Kathleen Marie Brosmer, Columbus; B.A. (Ohio Dominican College); M.S.; *Home Economics*
- Jere Neal Brunken, Columbus; B.S., M.S. (University of Oklahoma); Ph.D. (University of Illinois); *Computer and Information Science*
- Barbara Mary Butera, Cleveland; B.S.N. (Kent State University); *Nursing*
- William R. Butler, Brecksville; B.A. (Ohio Wesleyan University); *Biochemistry*
- Lillian Cabán, Youngstown; B.S. (Youngstown State University); *Home Economics*
- Jacquelyn Sue Caplinger, Chillicothe; B.S.; *Horticulture*
- Judith Ann Carr, Pleasantville; B.S.; *Nursing*
- Karen Ann Cashmere, Waverly; B.S.; *Food Science and Nutrition*
- Charles William Challstrom, Washington Grove, Md.; B.A. (California State University, Fresno); *Geodetic Science*
- David Tai-Wai Chan, Hong Kong; B.S. (International Christian University); *Chemical Engineering*
- Chien-Shim Chang, Taipei, R.O.C.; B.S. (National Chiao-Tung University); M.S. (Stevens Institute of Technology); *Industrial and Systems Engineering*
- Huei-Shu Chang, Kan-Ding, Ping-Tong, R.O.C.; B.S. (National Chung-Hsing University); *Pharmacology*
- Deana Denise Chapman, Columbus; B.S.; *Geology and Mineralogy*
- Nabil Z. Chehab, Beirut, Lebanon; B.S. (The University of Iowa); *Welding Engineering*
- Shuenn-Muh Chen, Kaohsiung, Taiwan, R.O.C.; B.S. (National Central University); *Engineering Mechanics*
- Yaw-Hwa Chen, Taiwan, R.O.C.; B.S., M.S. (Cheng Kung University); *Electrical Engineering*
- Yi-Shaw Ricky Chen, Taiwan, R.O.C.; B.S.C.E. (National Chung-Hsing University); *Civil Engineering*
- Shi Hong Choe, Seoul, Korea; B.S. (Seoul National University); *Engineering Mechanics*
- Julius Yuan-Pei Chou, Worthington; B.S. (National Taiwan Chung-Hsing University); *Allied Medical Professions*
- Albert Shu-keung Chow, Hong Kong; B.S., M.S. (University of Oshkosh); *Chemical Physics*
- Tae-Sang Chung, Seoul, Korea; B.S. (Seoul National University); *Electrical Engineering*
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- Jean A. Cook, Pandora; B.S.Nurs.; *Preventive Medicine*
- Tawna J. Cooksey, Hubbard; B.S.N. (Kent State University); *Nursing*
- Sandra Colleen Cooper, Columbus; B.A. (Washington and Jefferson College); *Geology and Mineralogy*
- Sallie Brent Cosgrove, Pittsburgh, Pa.; B.A. (Kenyon College); *Animal Science*
- Coleette Ruth Day Cozean, Pasadena, Calif.; B.A. (Westmont College); B.S. (University of Southern California); *Electrical Engineering*
- Warren Daneen Davenport, Marysville; B.A. (Anderson College); *Horticulture*
- Cynthia Jane Day, Springfield; B.S. (Point Loma College); *Nursing*
- Emilia Viola DeArbeloa, Maracaibo, Zulia, Venezuela; B.S. (Colegio San Vicente de Paúl); D.D.S. (Universidad del Zulia); *Pathology*
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- Jeffrey Alan Dickinson, Columbus; B.S.Agr.; *Horticulture*
- Margaret Stephanie Dragonette, Columbus; B.S.N.; *Nursing*
- Gregory Lee Duche, Warren; B.S., B.S.Pharm.; *Pharmacy*
- James Alan Ehret, Richwood; B.S.; *Agricultural Engineering*
- Matthew Wlah Elious, Monrovia, Liberia; B.Sc. (University of Liberia); Post Graduate Diploma (International Institute for Aerial Survey and Earth Science); *Geodetic Science*
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- Lisa Ann Estep, Portsmouth; B.S. (Eastern Kentucky University); *Natural Resources*
- Susan Kingsland Fabry, Huntington, W. Va.; B.S.N. (Cornell University); *Nursing*
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- Hugh Vernon Fernandes, Bombay, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
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- Timothy F. Gallagher, Metuchen, N. J.; B.S. (Pennsylvania State University); *Chemistry*
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- Timothy Scott Harrison, Columbus; B.A. (University of Missouri—Columbia); *Computer and Information Science*
- David Joseph Herman, Sandusky; B.S.C.I.S.; *Computer and Information Science*
- Hsuen-Chung Ho, Taipei, R.O.C.; B.S.Eng. (National Chung Kung University); *Computer and Information Science*
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- Charles Nathan Huttar, Holland, Mich.; B.A. (Hope College); *Computer and Information Science*
- Elizabeth Raney Ireton, Columbus; B.S. (University of Tennessee); *Nursing*

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- Muhammad A. M. Islam, Cairo, Egypt; B.Sc. (Cairo University); *Biomedical Engineering*
- Tzong Kuen Jeng, Taipei, R.O.C.; B.S. (Tsing-Hua University); M.S. (Ohio University); *Electrical Engineering*
- Jeffrey David Jones, Youngstown; B.S.; *Aeronautical and Astronautical Engineering*
- Louis B. Justement, Rockville, Md.; B.A. (Miami University); *Microbiology*
- Richard Lawrence Kalish, Columbus; B.A. (Brandeis University); *Preventive Medicine*
- Ming-Lai Kao, Taiwan, R.O.C.; B.S. (National Chiao Tung University); *Electrical Engineering*
- Richard Loren Katz, West Hartford, Conn.; B.S. (University of Vermont); *Food Science and Nutrition*
- Karen E. Kauffeld, Pittsburgh, Pa.; B.S. (West Virginia University); *Home Economics*
- Bashir A. Kiari, Sabha, Libya; Bachelor (University of Tripoli); *Electrical Engineering*
- Robert Stephen Kirsch, Fairborn; B.Tech. (University of Dayton); *Geodetic Science*
- Mitsuru Kitamura, Toyono, Nagano, Japan; B.E. (Tokyo Metropolitan University); *Engineering Mechanics*
- Danilin Ruff Kline, Gibsonia, Pa.; B.S. (Pennsylvania State University); *Animal Science*
- Edward Allan Knolinski, Kokomo, Ind.; B.S. (Purdue University); *Chemistry*
- Cevdet Gerald Koksals, Chagrin Falls; B.S.M.E.; *Nuclear Engineering*
- Daniel Allen Kramer, Hilliard; B.S.E.E.; *Biomedical Engineering*
- Elizabeth Ellen Ladrach, Wooster; B.S.Agr.; *Agricultural Education*
- Judith Lynn Latona, Akron; B.S. (University of Akron); *Home Economics*
- Phong Thanh Le, Mount Prospect, Ill.; B.S. (University of Illinois); *Microbiology*
- Jia-Fen Sunny Lee, Taipei, R.O.C.; B.S. (Fu-Jen Catholic University); *Horticulture*
- Shihchin Lee, Taipei, R.O.C.; B.S. (National Chiao-Tung University); *Electrical Engineering*
- Shyan-Chyun Lee, Taiwan, R.O.C.; B.S. (Taiwan Institute of Technology); *Civil Engineering*
- Susan Ellen Leenov, Bethlehem, Pa.; B.S. (West Chester State College); *Chemistry*
- I-En Liao, Silo, R.O.C.; B.S. (National Chengchi University); *Mathematics*
- Jiun-guu Lin, Kaohsiung, R.O.C.; B.S. (Tamkang University); *Statistics*
- Nan-Kuei Eric Lin, Kaohsiung, R.O.C.; B.S. (Chung-Cheng Institute of Technology); *Electrical Engineering*
- Koon Kai Lo, Columbus; B.Sc. (Chinese University of Hong Kong); M.S. (University of California); *Electrical Engineering*
- Joseph George Lossick, Reynoldsburg; B.S. (Wayne State University); D.O. (Chicago College of Osteopathic Medicine); *Preventive Medicine*
- Joel Michael Love, Columbus; B.S.C.I.S.; *Computer and Information Science*
- William Edward Lynch, Jr., Dayton; B.S.; *Natural Resources*
- Robert Mager, Columbus; B.S.I.S.E.; *Industrial and Systems Engineering*
- Kimberly E. Manolis, Cincinnati; B.A. (University of Cincinnati); *Preventive Medicine*
- Shaun Francis Mason, Ashbourne, County Meath, Ireland; B.A./B.A.I. (University of Dublin); *Civil Engineering*
- Gregory Charles Mayer, Doraville, Ga.; B.A. (College of Wooster); *Geology and Mineralogy*
- Joyce Belt McCabe, Worthington; B.S.; *Allied Medical Professions*
- James Joseph McFadden, Mentor; B.S. (John Carroll University); *Botany*
- Meena Menon, Pilani, Rajasthan, India; B.Sc., M.Sc. (Birla Institute of Technology and Science); *Physics*
- Daniel Ira Michael, Silver Spring, Md.; B.A. (Alfred University); *Environmental Biology*
- Victoria Sue Mitton, Fayette; B.S.; *Microbiology*
- Steven Victor Moody, Newark; B.S.; *Geology and Mineralogy*
- John Patrick Moosemiller, Columbus; B.S. (Purdue University); *Computer and Information Science*
- James Robert Morris, Columbus; B.S.C.E.; *Civil Engineering*
- Candace Ann Myers, Plain City; B.A. (Shippensburg State College); *Physiology*
- No Hoon Myung, Seoul, Korea; B.S.E. (Seoul National University); *Electrical Engineering*
- Linda McNew Nelson, Galion; B.S.Nurs.; *Nursing*
- Anne Elizabeth Newman, Columbus; B.S.I.S.E.; *Industrial and Systems Engineering*
- Eric Randall Norland, Columbus; B.S.; *Natural Resources*
- Mark Douglas Oakley, Columbus; B.S. (Rose-Hulman Institute of Technology); *Computer and Information Science*
- Josiah Ochieng, Nairobi, Nairobi, Kenya; B.S. (Nairobi University); *Zoology*
- Judith Ann Ortman, Middletown; B.S.; *Pathology*
- Un-Quei Winkey Pan, Toulieu, Yunlin, R.O.C.; B.S. (National Cheng-Kung University); *Mathematics*
- Hee Dong Park, Seoul, Korea; B.S. (Seoul National University); *Ceramic Engineering*
- Robert John Partyka, Columbus; B.S.E.E.; *Nuclear Engineering*
- Pran Krishna Paul, Dacca, Bangladesh; B.Sc., M.Sc. (University of Dacca); M.S.; (Portland State University); *Nuclear Engineering*
- Carol Faye Peindl, Columbus; B.S.N. (Case Western Reserve University); *Nursing*
- Kenneth M. Petrie, Lansing, Mich.; B.S. (Michigan State University); *Geology and Mineralogy*
- Andreas Michael Pleil, Columbus; B.S. (University of Illinois); *Pharmacy*
- Virginia Jean Powell, Bidwell; B.S.H.E.; *Home Economics*
- Mary Ellen Powers, Columbus; B.S.Ed.; *Home Economics*
- Suthida Puawatanapandh, Bangkok, Thailand; B.Acc.; *Interdisciplinary: Civil Engineering and Economics*
- Dennis Ray Pugh, Manchester, Tenn.; B.S. (Tennessee Technological University); *Electrical Engineering*
- Timothy Craig Quick, Worthington; B.G.S. (Ohio University); *Animal Science*
- Martha Cardwell Rader, Columbus; B.S.; *Allied Medical Professions*
- Saeid Rahimian, Columbus; B.S. (University of Evansville); *Mechanical Engineering*
- Dale Scott Rasche, Columbus; B.S.W.E.; *Welding Engineering*
- Kathleen Foster Ray, Columbus; B.S.Pharm.; *Pharmacy*
- Gregory Reardon, Youngstown; B.S.Pharm.; *Pharmacy*
- Joan Regina Roberts, Worthington; B.S.N.; *Nursing*
- Curt Richard Rom, Fayetteville, Ark.; B.S. (University of Arkansas); *Horticulture*
- William Joseph Rosano, Middletown, Conn.; B.A. (Central Connecticut State College); *Chemistry*

Sue Cecilia Ryno, Bluffton; B.S.N. (Bluffton College); *Nursing*

Jenny Lyn Rytel, Worthington; B.S.; *Geology and Mineralogy*

Linda Kay Schein, Logan; B.A. (Capital University); *Natural Resources*

Joan Lesley Scherrer, Kettering; B.S. (Michigan State University); *Nursing*

Mohamed Yehia Selim, Cairo, Egypt; B.S. (Cairo University); *Civil Engineering*

Thomas Richard Shaffer, Annandale, Va.; B.S.C.E. (University of Virginia); *Civil Engineering*

June Chen Sharps, Columbus; B.S.; *Pharmacy*

Kathleen Smith Shivaprasad, Urbana, Ill.; B.S.; *Home Economics*

Anoop Singhal, Roorkee, U.P., India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*

Richard Glen Snyder, Manchester, Conn.; B.S. (University of Connecticut); *Horticulture*

Ann E. Kelley Sobel, Akron; B.S. (University of Akron); B.S.; *Computer and Information Science*

Ted Eugene Stambaugh, Lima; B.A. (Ohio Northern University); B.S. Food Tech.; *Horticulture*

Robin Gerald Stanko, Columbus; B.A. (Northwestern University); M.D.; *Physical Medicine*

Isabelle Timko Stombaugh, Columbus; B.S.Ed.; *Home Economics*

Paula R. Strawser, Morgantown, W. Va.; B.S.B.A. (West Virginia University); *Computer and Information Science*

James Bentley Stribling, Carthage, Miss.; B.S. (The University of Mississippi); *Entomology*

Larry Francis Sutherland, Columbus; B.S.C.E.; *Civil Engineering*

Laying Tam, Hong Kong; B.S. (The University of Hong Kong); *Mathematics*

Prawat Tanboon-ek, Bangkok, Thailand; B.Sc. (Kasetsart University); *Plant Pathology*

Tung-Mei Tao, Taipei, R.O.C.; B.S. (National Cheng-Kung University); *Chemistry*

Essie Tarr, Chillicothe; B.S.N. (Duquesne University); *Nursing*

Rebecca Danise Thames, Akron; B.S. (Auburn University); *Plant Pathology*

Mary Ellen Thompson, Portsmouth; B.S.Nurs.; *Nursing*

Dapeng Tien, Harbin, Heilungkiang, P.R.C.; B.S. (Heilungkiang University); *Mathematics*

Robert Eugene Tierney, Poughkeepsie, N. Y.; B.S. (State University of New York at New Paltz); *Zoology*

John Robert Tisher, Westerville; B.S. (Bowling Green State University); *Animal Science*

Cynthia Marie Tomcko, Garfield Heights; B.A. (Case Western Reserve University); *Zoology*

Anthony William Toonen, Green Bay, Wis.; B.S. (Saint Norbert College); *Microbiology*

Douglas Keith Trask, Toledo; B.A. (Kenyon College); *Microbiology*

Mary Terese Tremaine, Akron; B.S. (University of Akron); *Microbiology*

Susan Langston Turner, Columbus; B.S. (University of Kansas); *Allied Medical Professions*

Diane Marie Urig, Avon Lake; *Home Economics*

David Lee Van Der Puy, Sheboygan, Wis.; B.S. (University of Wisconsin); *Agronomy*

Donald Leslie Vargo, Canonsburg, Pa.; B.A. (California State College); Ph.D.; *Agronomy*

John David Varner, Belle Center; B.S.; *Agricultural Economics and Rural Sociology*

Robert C. Vavrek, Jr., Maple Heights; B.S. (Marietta College); *Entomology*

Behzad Vedaie, Babahsar, Iran; B.Sc. (University of North Carolina at Charlotte); *Civil Engineering*

Juan A. Veloz, Santo Domingo, Dominican Republic; Licentiate (Universidad Pedro Henriquez Ureña); *Agricultural Economics and Rural Sociology*

Patricia G. Vlasak, Columbus; B.S. (University of Cincinnati); *Computer and Information Science*

Jeffrey William Wadelin, Columbus; B.S. (Ohio Northern University); *Pharmacy*

David Zeller Walker, Falls Church, Va.; B.S. (Virginia Polytechnic Institute and State University); *Agricultural Economics and Rural Sociology*

Laura Marie Walter, Columbus; *Home Economics*

Leo Gerard Walter, Columbus; B.S.E.E.; *Electrical Engineering*

Keith Alan Ware, Sidney; B.S.; *Mathematics*

Jonathan Scott Weiss, Austin, Tex.; B.A. (State University College of New York at Geneseo); *Geology and Mineralogy*

Richard Donald Wetmore, Delaware; B.S. (Baldwin-Wallace College); *Physiology*

Chugiat Wichiencharoen, Bangkok, Thailand; B.Eng. (Chulalongkorn University); M.Eng. (Asian Institute of Technology); *Geodetic Science and Surveying*

Donald Thomas Willke, Columbus; B.S.M.E.; *Mechanical Engineering*

Rebecca Sue Wilson, Gahanna; B.S. (University of Kentucky); *Computer and Information Science*

Montford Wayland Wolf, Cincinnati; B.S.; *Animal Science*

Bun Bennet Wong, Hong Kong; B.S.E.E.; *Electrical Engineering*

Michael Der Wong, Silver Spring, Md.; B.S. (University of Maryland); *Industrial and Systems Engineering*

Chi-Chen Wu, Taipei, R.O.C.; B.S. (National Chiao-Tung University); *Electrical Engineering*

Andrew Howard Wyatt, Markham, Ontario, Canada; Bach.Tech. (Ryerson Polytechnical Institute); *Geodetic Science*

Sai-Hung Stephen Ying, Hong Kong; B.Sc. (The Chinese University of Hong Kong); *Mathematics*

## Master of Social Work

John Michael Miga, Columbus; B.A. (Concordia College); *Social Work*

Lawrence M. Smith, Dunkirk, N. Y.; B.A. (State University of New York at Fredonia); *Social Work*

## Certificate of Specialist in Translation of Russian in the Social Sciences

Timothy Patrick Boeh, Ashland; B.A.; *Slavic Languages and Literatures*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Colin B. B. Bull

Vice Provost for the Arts and Sciences: Thomas A. Wilkie

The Colleges of the Arts and Sciences, a federation of five colleges, include: College of the Arts  
College of Biological Sciences  
College of Humanities  
College of Mathematical and Physical Sciences  
College of Social and Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

Nancy Gail Allen, Van Wert  
William John Batson, Cleveland  
Laura Ann Beardsley, Doylestown  
June Martin Berzin, Paris, France  
Monroe P. Bond, Jr., Lorain  
Pamella Debbie Braverman,  
Northbrook, Ill.  
Linda Kay Conard, London  
Craig Thomas Cooper, Lexington  
Linda Elaine Franklin, Reynoldsburg  
Debra Ellen Glett, Quincy  
Jennifer Elizabeth Heller, Columbus  
Brian William Howe, Madeira  
Elizabeth M. Matias, Worthington  
Dixie Lynn McAllister, Columbus  
Daniel Benjamin Needham, Columbus  
Charlene M. Pease, Berea  
Karen Elizabeth Reback, Columbus  
Raymond Greg Sailor, Lancaster  
Janet Myers Schmidt, Columbus  
Bradley Ray Sellers, Stevensville, Mich.  
Linda Ann Sotos, Columbus

### Bachelor of Fine Arts

Judith Cox, Columbus  
B.S.Ed.  
Howard Eugene Davis, Columbus  
John Aaron Fitch, Columbus  
Michael T. S. Flaherty, Columbus  
Mary Martha Geer, Columbus  
Sharon Teresa Heider, Dayton  
Richard Derby Jackson, Jr., Worthington  
Patrick Mark LoCicero, Youngstown  
John Herbert McClure II, Marion  
Elizabeth Cecile Meyer, Powell  
Debra Ann Minto, Columbus  
Eva René Penley, Cincinnati  
Debra Booth Ramsey, Columbus  
Ruth H. Rosenberg, Cleveland  
Rebecca Kay Simmermacher, Columbus  
Jennifer Marie Smith, London  
James Eric Thatcher, Columbus  
Gary Lee Young, Grove City

### Bachelor of Music

Lucille Riegel Gill, Columbus  
Kimberly Ann Weaver, Paulding

### Bachelor of Art Education<sup>1</sup>

Pamela Elene White, Jefferson

### Bachelor of Art Education<sup>2</sup>

Cheryl Ann Dodds, Edison  
Beth Lynne Klein, Dayton  
Rebecca Rose Schillig, Reynoldsburg

### Bachelor of Music Education

Colleen Marie Dawson, Norwalk  
Laura Sue Evans, Lima  
Jo Ellen Harris, Columbus  
B.Music

### Bachelor of Science in Industrial Design

Jeffery Alan Damschroder, Elmore  
Garfield Dingess, Jr., Columbus  
Brian Linton Hall, Reynoldsburg

<sup>1</sup> Offered by the College of the Arts  
<sup>2</sup> Offered jointly by the College of the Arts  
and the College of Education

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Arts

Paul G. Brunzman, Geneva

### Bachelor of Science

Anne C. Coteleur, Lakewood  
Joseph N. Dominguez, Toledo  
Laura Jean Eichenlaub, Columbus  
Peggy Ann Farmer-Bailey, Cincinnati  
Minoo Fazel Fashandi, Tehran, Iran  
Thomas Robert Hanf, Columbus  
Karen Lynne Holycross, Circleville  
Tamara Lynn Hughes, Circleville  
Linda Natalie Jones, Dayton  
David Warren Kase, Roanoke, Va.  
Eric Keller, Swanton  
Laura E. Lantry, Columbus  
Douglas G. Macklin, Dublin  
Ronald Louis Miller, Roxbury, N. J.  
Craig Evans Munger, Painesville  
Joshua Femi Obayemi, Ado Ekiti, Nigeria  
Mark Fisher Otstot, Niles  
Jyoti J. Padia, Nyeri, Kenya  
Kimberly Ann Pitzer, Hillsboro  
William Ira Schwartz, Jerusalem, Israel  
Michele Diane Thomas, Newark  
Marcus Barle Williamson, Dayton  
Christopher Kurt Yunker, Swanton

## College of Humanities

Acting Dean: Michael W. Curran

### Bachelor of Arts

Sally Ann Carroll, Martins Ferry  
Teresa Longwell Crowner, Westerville  
Isabelle C. Culbreath Dawson, Columbus  
George Walter Dietrich, Kettering

Susannah Elizabeth Drum, Columbus  
Sally Anthony Dunn, Columbus  
Adam Goldberger, Columbus  
Pamela Jean Guggenheim, Columbus  
Jay Allen Hammer, Cincinnati  
Pamela Kay Harpel, Toledo  
Jane Dolores Heavin, Miamisburg  
Mary Lee Heck, Sandusky  
Dana P. Holmes, Worthington  
Lawrence W. Hutchison, Columbus  
Matthew C. Inscore, Mansfield  
Michael Ryan Kelley, Amanda-Tarlton  
Scott Albert Kennedy, Heath  
Susan Amanda Maring, Millersport  
Albertine J. Moebius, Columbus  
Elizabeth Marie Moehringer, Cincinnati  
Angela Anna Panning, Columbus  
Patricia Anne Paxton, Newark  
Dominic John Pinto, Columbus  
Kathleen Elizabeth Raynaud, Columbus  
Lisen Elaine Saup, Columbus  
Stanley John Sobiech, Cleveland  
William Thomas Stypczynski,  
Broadview Heights  
Bruce Seymour Tobin, Bexley  
Ruth Elaine Torrie, Columbus  
James Joseph Tupper, Grove City  
Genevieve Lynn Van Heyde, Columbus  
Lynn Vizdos, Westlake  
Ann Kimberly White, Worthington

## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

Daniel Buchanan, Salem  
Numan Gurhan Doganoglu, Columbus  
Antoinette Theresa Jackson,  
Bethel Park, Pa.  
Charles R. Monfort, Columbus  
Nora Ellen Whalen, Pepper Pike

### Bachelor of Science

Gregory C. Bakeman, Westport, Conn.  
David Alan Becker, Columbus  
Mark Lawrence Clayton, Horseheads, N. Y.  
Stephen Andrew Cota, Columbus  
Timothy David Coy, Columbus  
Gary Franklin Ellison, Dayton  
Bertin Evina-Ze, Yaounde, Cameroon  
Kenneth F. Gale, Eastlake  
Gillian Kay Groves, Columbus  
Ted David Horwitz, Columbus  
Jean Jenkins, Columbus  
John G. Knapke, Minster  
Drew Allen Logan, Newark  
Anne Marie McGervey, Cleveland  
Marlin W. Meier, Apple Creek  
Ronald Lee Morris, Carroll  
Mayumi Mukasa, Chiba, Japan  
Susan Lee Nangle, Dallas, Tex.  
Syng Rhee, Columbus  
Carolyn Frances Rohan, Rocky River  
Daniel Kent Ross, Columbus  
Cynthia Ann Ruiz, Stow

Larry Allen Smith, Whitehall  
Michael William Smith, Columbus  
Jeffrey Allan Tilton, Newark  
Robin Gay True, Homewood, Ill.  
Brian Joseph Wingenter, Columbus

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

Michael J. Absten, Grove City  
Daryl Rex Addison, Columbus  
Seville Laverne Bates, Columbus  
Scott David Bell, Bay Village  
John Richard Brooks, Euclid  
Robert Neil Brooks, Columbus  
James Robert Caldwell, Mentor-on-the-Lake  
Teresa Maria Camera, Lorain  
Mark David Coakley, Columbus  
LuAnn M. Cusic, Mansfield  
Michael Dean Davenport, Sunbury  
Amy Genevieve DiIorio, Wyckoff, N. J.  
Joseph Moran Dittoe, Jr., Lyndhurst  
John William Donahue, Jr., Thornville  
Lynn E. Donley, Delaware  
Pamela Vanessa Dotson, Dayton  
Larry Anthony Durante, Columbus  
Annette Gabrielle Erickson,  
West Mansfield  
Susan Jean Eschliman, Columbus  
Michael Robert Evans, Columbus  
Jeffrey Creighton Fleahman, Tiltonsville  
Katherine J. Foster, Worthington  
Kerrill Ann Foster, Heath  
Charles Madison Fry, Jr., Columbus  
Anthony Vincent Galli, Kettering  
David Scott Gatchell, Harpster  
Magda Maher Girgis, Columbus  
Joyce Lynne Grandey, Edgerton  
Mark Richard Grindley, Westerville  
Mitchell Phalin Grindley, Westerville  
Mark Steven Hall, Marion  
Pamela A. Henderson, Bay Village  
Michael J. Hitesman, Columbus  
Ruby Jean Hopkins, Columbus  
Robert Michael Hunter, Toledo  
Jamie Beth Kaplin, Columbus  
Julie Ann Keehner, West Chester  
David P. Kelly, Jackson Center  
Nancy Eileen Kirwin, Whitehall  
Tami Lyn Klovanich, Shadyside  
Karen Susan Komlo, Chagrin Falls  
Mary L. Lollini, St. Clairsville  
Susan Kay Marisch, Canton  
Douglas Charles Matthews, North Canton  
Christopher Eugene McAllister, Springfield  
Debra Lee McLoughlin, Springfield, Va.  
Robert Carl Medley, Columbus  
Dave K. Mehrle, Columbus  
Andrew Richard Mendel, Columbus  
Stephen J. Mendoza, Columbus  
Joel G. Miller, Columbus  
Julie Ann Miller, Centerville  
Linda Diane Miller, Columbus  
James Burton Mills, Kingsville  
Angela Benita Morgan, Cleveland  
John F. Moynihan, Toledo  
Sallee Lynn Muccino, Columbus  
Melinda Kay Myers, Dublin  
Robert Francis Nelson, Camp Hill, Pa.

Michael Patrick O'Brien, Columbus  
Kevin Michael O'Connell, Westerville  
Sesan Oseni, Ogun State, Nigeria  
Douglas Pauley, Carpinteria, Calif.  
Denise Irene Perry, Lafayette  
Candace Elaine Pierson, Birmingham, Ala.  
Suzanne Marie Popa, Columbus  
Linda Marie Poutz, Parma  
Diane Mary Reef, Newark  
Pendery Haines Reese, Columbus  
Barbara Bixby Remlinger, Columbus  
Scott Patrick Rider, Columbus  
Paul Elliott Ringer, Dayton  
Carol Diane Rosenthal, Beachwood  
Nancy L. Rothe, Cincinnati  
Warren Charles Schuckies,  
Upper Arlington  
Susan Diane Schulz, Columbus  
Cheryl Marie Simon, Columbus  
Lauren Ann Simon, Columbus  
Catherine Rose Smith, West Liberty  
Beth Ann Snyder, Butler  
Robert Kurtis Spangenberg, Dayton  
Brenda Joy Stone, Mogadore  
Scott Edward Supplee, Columbus  
Kenneth Kevin Sutton, Columbus  
Margaret I. Thams, Canon City, Colo.  
Paul James Trayser, Columbus  
Kathleen Marie Tulenko, Parma  
Mary Ellen Wallstrom, Chesterland  
John Joseph Walsh, Springfield  
Suzanne Bernardette Waters,  
East Cleveland  
Lynn A. Watkins, Westerville  
Mark Steven Wellman, Delphos  
Celia Westerhausen, Findlay  
Vanessa Rena Wise, Newton Falls  
Bradley John Wylie, Columbus  
Robert Joseph Yasinow, University Heights  
Mary Jean Elizabeth Yocca, Columbus  
Jennifer Lynn Young, Bluffton  
Nancy Alison Young, Worthington  
Norman W. Zavitz, Columbus  
Janice S. Ziskin, Dayton

### Bachelor of Science

Robert Reagh Carpenter, Columbus  
Sharon Denise Fitzpatrick, Akron  
Nancy Kay Garber, Galloway  
Brian Richard Grim, West Simsbury, Conn.  
Barbara Jean Harrison, Columbus  
Barbie Ann Howard, Lima  
Carmine P. Iafelice, Solon  
Mary Jo Mersol, Poland  
R. Jeffrey Ryan, Lima  
Emily Grace Wolpert, Marysville

### School of Journalism

#### Bachelor of Arts in Journalism

Lisa Lynn Baker, Delaware  
Thomas Robert Bolt, Westerville  
Karen Ann Boudrie, Cincinnati  
Ellen Heidi Brown, University Heights  
Cynthia Paige Buehrer, Maumee  
Karen Frances Cahill, North Olmsted  
David P. Cavanaugh, Jr., Worthington  
Carolyn Joyce Davis, Cleveland Heights  
Janice Susan Davis, Columbus  
Janice Ann Dunham, Columbus  
Kimberly K. Eisenhart, Columbus  
Marla Frances Frey, Kettering  
Michael A. Garner, Springfield  
Linn Marie Grossman, Lyndhurst

Douglas John Kasyon, Brecksville  
Amy Celeste Melvin, Cincinnati  
Kimberly Jo Miller, Montgomery  
Paula K. Moorehead, Worthington  
Jill Darlene Perbix, Cincinnati  
Thor Richard Rubin II, Worthington  
Brenda Kay Russell, Dublin  
Ernest James Shannon, Columbus  
Randy Lee Shaw, Columbus  
Jeffrey C. Sheban, Youngstown  
Leonard Phillip Siemborski,  
Garfield Heights  
Robin L. Sora, Columbus  
Paulette Renae Thomas, Columbus  
Deidre Louise Thompson, Cleveland  
Michael Joseph Trubiano, Willoughby  
Leslie Schultz Warthman, Columbus  
Curtis John Wellington, Boardman  
Patricia Marshall Winterstein, Hamilton  
Terri Lee Yenko, Washington, Pa.

## College of Administrative Science

Dean: H. Justin Davidson

### Bachelor of Science in Business Administration

Michael Brian Adams, Dublin  
Gary Wayne Addison, Columbus  
Clinton Anthony Allen, Columbus  
Sarah Jane Allen, Lima  
Gary Anthony Aller, Bellevue  
Robert Paul Anderson, Columbus  
Thomas Lee Angerer, Barberton  
Charles H. Arbuckle, Reynoldsburg  
Chaiyut Asawabuncho, Bangkok, Thailand  
Kerry Annette Ater, Chillicothe  
Laura Lee Baird, Columbus  
Attila Barandi, Medina  
James R. Battaglia, Philadelphia, Pa.  
Mark Edwin Baughman, Columbus  
Jeffrey Gene Beatty, Columbus  
William Gary Beck, Norwalk  
Michael Lawrence Belkin, Cleveland  
Bridget Mary Bellett, Dayton  
Donna Marie Berger, Cincinnati  
Terry Dean Bigham, Columbus  
Paul Russell Bigley, Columbus  
John Ronald Blackburn, Parma  
Mark Allen Blumenthal, Beachwood  
William Tischer Bonham, Marietta  
Lisa Suzanne Bowden, Mentor  
Douglas Robert Brandt, Rocky Ridge  
Anita Kay Bronner, Hanoverton  
Lewis D. Brenner, Hanoverton  
Mitch Warren Brown, Lima  
Timothy Lewis Brumbaek, Lorain  
Walter Carl Brumbaek, West Milton  
Mary Elizabeth Bucher, Allison Park, Pa.  
Daniel Thomas Burke, District Heights, Md.  
Daniel John Bush, Bucyrus  
Matt T. Byrne, Fairview Park  
Martha Hildebrand Carmack, Columbus  
Gay Bosley Carr, Columbus  
Richard J. Castellano, Columbus  
Michael Alexander Casuccio, Wapakoneta  
Kaye Ann Cavlovic, Hudson  
Jay Herbert Chabuocs, Hudson  
Tammy Jill Chadwell, Newark  
Betsy Jayne Chorprenning, Marietta

Siu-Hong Clement Chung, Hong Kong  
 Kenneth Michael Clark, Worthington  
 Darice J. Cochrell, Florissant, Mo.  
 Randall Scott Cole, Sandusky  
 Janet E. Coogan, Westlake  
 Thomas James Corner, Brunswick  
 Sharon McAllister Correll, Millersport  
 Arthur Darnell Cousin, Fostoria  
 John David Crowl, Richardson, Tex.  
 Kelli Ann Custenborder, Centerville  
 Vincent Frank D'Andrea, Tiltonsville  
 James Harold Day, Pittsburgh, Pa.  
 Timothy Brian Day, West Portsmouth  
 Kevin L. Dearth, Columbus  
 James Patrick Dennis, Marietta  
 Gary Michael Diewald, Columbus  
 Peter Leigh Dillon, Bay Village  
 Dan F. Distelhorst, Galloway  
 Barbara Marie Doss, Port Clinton  
 James Scott Downie, Columbus  
 Todd A. Drukenbrod, Canton  
 Thomas William Dye, Marion  
 Barbara Ann Eakin, Orient  
 Lee Don Edwards, Minerva  
 Carlos Ruben Eiber, Miami Beach, Fla.  
 Robert Allen Elson, Centerville  
 Joseph F. Eppy, Canton  
 Tad Marshall Everett, Sylvania  
 Terry Patrick Fallon, Columbus  
 Lisa A. Feike, Worthington  
 Eric M. Feldman, East Burnswick, N. J.  
 Matthew William Pennen, Fairfield  
 Connie Fenton, Washington C. H.  
 Laurence Scott Fischer, Beachwood  
 Brian H. Fletcher, Solon  
 Frank Andrew Forster, Akron  
 Adam Henry Foster, Dix Hills, N. Y.  
 Susan J. Fought, Shelby  
 Paul Peter Fountas, Westwood, Mass.  
 Anthony Joseph Fracasso, Columbus  
 Andreas Frangeskou, Nicosia, Cyprus  
 Tracy Alan Freiberger, Mansfield  
 Stewart A. Gandolf, Jr., Columbus  
 David Alan Garrison, Columbus  
 Howard Michael Gatoff, Mansfield  
 Marc E. Ghidotti, Columbus  
 Mitchell Ryan Giesy, Cortland  
 Ryan James Gordon, Columbus  
 Michael Earl Gorius, Newark  
 Tina Marie Gossard, Harrod  
 Randy J. Green, Sylvania  
 Terry Allan Griffith, Pickerington  
 Robert William Grim, McMurray, Pa.  
 Katherine Ross Guy, Columbus  
 Barbara Lynn Hanes, Toledo  
 Paul J. Haase, Jr., Harrison  
 Cynthia Rene Hajjar, Marion  
 Jeffrey Bryan Hamilton, Coshocton  
 Keith Al Hanna, Middleburg Heights  
 William Leroy Hardin, Zanesville  
 Debbie Sue Hardman, Kettering  
 Timothy Wray Hayes, Columbus  
 Janet Rose Heidkamp, Upper Arlington  
 William Bradley Helmer, Lancaster, Pa.  
 John Frank Herbert, Jr., Columbus  
 Jane Ann Hindenlang, Wapakoneta  
 Dale Jay Hodge, Cleveland  
 David John Holbrook, Columbus  
 Christopher Steven Holgate, Worthington  
 Harley Roy Holland, Columbus  
 Michael Mount Horn, Columbus  
 Douglas Eugene Horton, Worthington  
 Lawrence John Horvath, Toledo  
 Betrice Jane Hooser, Granville  
 Nancy Jenn Hoye, Mentor  
 Matthew B. Hunt, Cincinnati  
 Dennis Michael Irwin, Shadyside

Robert David Irwin, Mansfield  
 James Theodore Jackson, Hamilton  
 Todd Jeffrey Jacober, Beachwood  
 Stephen Joseph Jacobs, Mansfield  
 Betsy Barker James, Xenia  
 Richard Allen Jantz, Jr., Columbus  
 Lisa M. Jayson, New Port Richey, Fla.  
 Amy Katherine Jeffries, Chagrin Falls  
 Cynthia Gest Johnson, Urbana  
 Carol Lynn Jones, Port Clinton  
 Richard Victor Jusko, Reynoldsburg  
 David M. Kahl, Gahanna  
 Rosemarie Kaldor, Bellaire  
 John Robin Kantzer, Marion  
 Jeffrey Lee Kaufman, Ottoville  
 Michael Heyward Keleher, Rumson, N. J.  
 Carol Lynn Kemp, Columbus  
 Elizabeth Seton Kilsheimer, Columbus  
 Kaye Marie Kipp, Akron  
 Richard Solomon Klassman,  
 North Miami Beach, Fla.  
 Helga Christine Klein, Mansfield  
 J. Michael Kluska, III, Columbus  
 Peter Joseph Knox, Columbus  
 Nicholas George Kontos, Warren  
 Nicholas Gregory Kontras, Columbus  
 Bryan David Korn, Cleveland  
 Robert Frederick Kottenstette, Columbus  
 Donna Maria Kovach, Painesville  
 Robin Lynn Kroener, Mainville  
 Thomas Reynolds Krouse, Columbus  
 Janel Marie Kruse, Ottawa  
 Joseph Vincent Kukec, Wickliffe  
 Victor Wing-Tai Kwok, Hong Kong  
 Douglas P. LaBorde, Harahan, La.  
 Jeffrey Lee Lacy, Lima  
 Mary Elizabeth Lapworth, Newark  
 James Mont Larson, Columbus  
 Patrick Joseph Lause, Delphos  
 Daniel Mark Lavon, Beachwood  
 Victor Anthony Layne, Columbus  
 Heon Woo Lee, Columbus  
 Ralph Andrew Leedy, Columbus  
 Michael Eugene Leroy, Toledo  
 Jeff Scott LeVora, Wooster  
 Matthew Dale Lewis, Orient  
 Stephen DeWitt Lilly, Medina  
 Tru-Fu Lo, Columbus  
 Robert Allen Long, Columbus  
 Todd Alan Long, Marion  
 Susan Lynne Lossman, Middleburg Heights  
 Gregory Alan Low, Galena  
 Craig Steven Lucas, Springfield, Va.  
 Roy Michael Maliszewski, Worthington  
 Emily Therese Mann, Columbus  
 Thérèse Suzanne Manring nee Laiberté,  
 Columbus  
 Dean Paul Margeson, Columbus  
 Deborah Lynn Marino, Chagrin Falls  
 Cheryl Lynne Martin, Englewood  
 David Robert Martin, Lakewood  
 Jay Leslie Marx, New Canaan, Conn.  
 Rita Ann Maurer, Worthington  
 Mark Allan Maurer, Newark  
 Patrick M. McCausland, Akron  
 Timothy Patrick McFadden, Worthington  
 Vandy René McMahan, Urbana  
 Marcia Lynn Meade, Westerville  
 Ronald Bruce Melsner, Red Bank, N. J.  
 Susan Lynette Mercer, Columbus  
 Edward Anthony Mershad, Dayton  
 R. Frederick Meyer, Toronto  
 Daniel Philip Minutili, Columbus  
 Lucius Kendall Moore, Reading  
 Susan Kay Moore, Mt. Vernon  
 Victoria Marie Morgan, Chillicothe  
 Susan Grace Morris, Medina  
 Karl Heinz Mueller, Pickerington

John Andrew Murphy, Canfield  
 Dean Joseph Nader, Columbus  
 Deborah Lynn Neth, Lima  
 Thai Thuan Nguyen, Columbus  
 Robert Hiroshi Nichols, Columbus  
 Katherine A. Niehaus, Marshall, Mich.  
 Lisa Ann Norris, Waldo  
 Bradford Clifford Northercraft, Bellaire  
 Carol Helen O'Brien, Columbus  
 Kathleen O. O'Daniel, Gahanna  
 Douglas R. Olmsted, Wellsboro, Pa.  
 Matthew Steven Opremac, North Olmsted  
 John Stanley Orkis, Gahanna  
 Ida Padilla Ortega, Alamogordo, N. M.  
 Charles Robert Ortt, Columbus  
 James Wilson Oswalt, Bellville  
 Frederick Lyle Ott, Columbus  
 Carol Marie Padvorac, Parma  
 Robert Lloyd Pargeon, Somerset  
 Reuben Parks, Jr., Fostoria  
 Eric Michael Parr, Cambridge  
 Scott Shea Petty, Whitehall  
 Lynn Alison Pfeffer, Ripley  
 Madalyn Anne Piar, Mt. Vernon  
 David A. Pierson, Parma  
 Cynthia Anne Pinkston, Columbus  
 James Gerard Pohlabei, Lima  
 James Robert Potts, Columbus  
 Dana Gast Pritchett, Columbus  
 Thomas A. Puccetti, Toledo  
 Leslie Arthur Quay, Galion  
 Randall Alan Queen, Chillicothe  
 Mark Warren Quinlan, Englewood  
 Connie Ferriman Reams, Marion  
 Joseph Martin Regan, Toledo  
 Wayne D. Rentsch, Dover  
 Edrick Joseph Richardson, Philadelphia, Pa.  
 Darryl Lynn Riggenbach, Medina  
 Sean C. Ritter, Columbus  
 Thomas Edward Rodabaugh, Dayton  
 David Clark Ross, Pickerington  
 Terry Eugene Ruppert, St. Mary's  
 Jeffrey Hall Salladay, Portsmouth  
 Jeffrey Allen Salyers, Columbus  
 Felicia G. Sauder, Lucas  
 Jeffery Alan Schaeper, Columbus  
 Barbara J. Schiefer, Powell  
 Kirk Robert Schneider, Toledo  
 Shauna Lee Schuholz, Cincinnati  
 Jeff M. Schwartz, Toledo  
 Kathryn Yvonne Seaman, Canton  
 Stephen E. Shea, Columbus  
 Richard Merrel Shroats, Marion  
 Daniel Eugene Simmons, Westerville  
 Robert T. Skinner, Youngstown  
 Mark A. Slade, Columbus  
 James A. Slama, Garfield Heights  
 Martha Bailey Slyh, Columbus  
 Lynn Ann Smithberger, Pickerington  
 Lynne Louise Spiller, Worthington  
 Mark Edwin Stall, Galion  
 Madonna Jean Stalter, Grove City  
 Lesa Deanne Starbuck, Columbus  
 Donna J. Starr, Cincinnati  
 Scott Alan Swindler, Wilmington  
 Richard Greg Swonger, Cambridge  
 Heow Yang Tan, Columbus  
 James Kerr Taylor III, Columbus  
 Ronald Ray Taylor, Wooster  
 Kevin Alexander Tefend, Granville  
 James Daniel Tharp, Cambridge  
 Kristine Frey Tikson, Springfield  
 Julie A. Towarnicky, Hardsfield, N. D.  
 Diane Marie Town, Dayton  
 Charles Andrew Tyack, Bexley  
 Mark Wayne Urey, Columbus  
 Stephen A. Urell, Columbus  
 Marianne Van Culin, Columbus  
 Lon Andrew Vinsel, Zanesville

James Robert von Spiegel, Akron  
 Anthony Robert Wargo, Huron  
 David Arthur Warner, Akron  
 James Francis Washko, Bedford  
 David Scott Watkins, Worthington  
 Matthew S. Weidig, Lake City, Fla.  
 John Joseph Wendell, Medina  
 Theresa Marie Wentz, Cincinnati  
 Todd Blake West, Bellefontaine  
 Kevin Patrick Westfall, Columbus  
 Joseph Bennet White, Canfield  
 Scott Ronald Whitenack, Dayton  
 Lynn Ellen Wilson, Newark  
 Jon J. Wimer, Cambridge  
 Virginia Marie Wise, Scio  
 Chris J. Woods, Cincinnati  
 Mitchell A. Yager, Parma Heights  
 Lawrence Charles Yontz, Columbus  
 Christopher Robert Young, Columbus  
 Jia-Pei Yuan, Bangkok, Thailand  
 Jeffrey Dean Yund, Wooster  
 Marilyn Zangardi, Cleveland  
 Frank James Zidonis, Columbus  
 James A. Zitsman, Columbus  
 Michael David Zuern, Fostoria

Dudley Raybon Kindrick, Columbus  
 Donald Owen Koch, Avon  
 Calvin Mark Kohring, Pemberville  
 Jeanne Fulton Lang, Powell  
 Jennifer Marie Lewis, Brookville  
 Kelly Crawford Linhart, Whitehall  
 David Joseph Long, Columbus  
 Steven Bryan Magley, Worthington  
 Jack Christy Moore, Columbus  
 Lynne Elaine Moore, Holgate  
 Alan Curtiss Motta, Grafton  
 Norma Mustaffa, Columbus  
 Michelle Ann Myers, Cincinnati  
 Steven Michael Neal, Jamestown  
 Peggy Lou Nell, Columbus  
 Gary Allen Nemeth, Cleveland  
 Peter Robin Newman, South Vienna  
 Jackson G. M. Njuguna, Nairobi, Kenya  
 Gary Lynn Prill, Van Wert  
 John Waldo Radabaugh, Edgerton  
 Leesa Lyn Rader, Galion  
 Jane Ellen Rambo, Delaware  
 Joseph Peter Reinheimer, Wooster  
 David Frank Ritschel, Parma Heights  
 Jeffery William Roeth, Piqua  
 William Patrick Rolle,  
 Roseau, Dominica  
 Edward Harry Rumburg, Salem  
 Mary Hughes Seeman, Cincinnati  
 Steven Ray Sims, Lima  
 Susan Ann Slusser, Dover  
 Joseph Alton Smith, Cincinnati  
 Michael Solli, Maple Heights  
 Alan Brent Sowards, Orient  
 Brian Lee Stevens, Williamsport  
 Marcia Kay Stutzman, Berlin  
 Janet Taylor Terhune, Newport, N. H.  
 Mark Kevin VanHoose, Sunbury  
 Darlene Mae Wharum, Geneva  
 Linda Ann Wigington, Columbus  
 Roxanne Wiseman, Richwood  
 Richard Paul Wright, Glenford  
 Diane K. Yanice, Sherrodsville  
 Paul William Zanowick, Kettering

Barbara Ann Bishop, Columbus  
 Cynthia Suzanne Capuano, Columbus  
 Barbara Jean Chapman, Troy  
 Lynn Christine Chapman, Columbus  
 Winston Kwok Kit Cheung,  
 Hong Kong, China  
 Rebecca Suzanne Cunningham, Columbus  
 Cheryl Lynne Davison, Reynoldsburg  
 Debra Joyce Duncan, Columbus  
 Roberta Willits Dunn, Columbus  
 Laura Lee Felker, Reynoldsburg  
 Peggy Ann Felske, Castalia  
 Charlene S. Grabner, Columbus  
 Leslie Elizabeth Graham, Sheffield Lake  
 Judith Mary Gregonis, Belair, Md.  
 Kimberly Lisa Hall, Newark  
 Sandra J. Hannan, Sandusky  
 Mary Elizabeth Hoying, Minster  
 Barbara Lynn Jones, Dublin  
 Christy Lynn Kime, Columbus  
 Kathleen A. Kirwan, Bellevue  
 Teena Marie Kite, St. Paris  
 Mary Catherine Kreider, Columbus  
 Lisa Jayne Kugler, Columbus  
 Andrea Rothenbusch Kuhlmann, Okeana  
 Jamaliah Lamzah, Selangor, Malaysia  
 Betty Elaine Lewis, St. Marys  
 Cynthia Marie Mason, Canton  
 Christine Louise Mercer, Columbus  
 Jan Elaine Montgomery, Washington C. H.  
 Linda Gerard Moore, Columbus  
 Kathleen Ann Mortimer, Grove City  
 Barbara Teatino Nini, Columbus  
 Panagiota M. Pandis, Chicago, Ill.  
 Lisa Petsanis, Euclid  
 Debra Faye Prochazka, Bedford  
 Cynthia Helen Pullen, Cincinnati  
 Karen Kellenberger Selvey, Gahanna  
 Margaret Mary Simpson, Alachua, Fla.  
 Regina Marie Tarisitano, Richmond Heights  
 Robin L. Tice, Columbus  
 Diane Marie Urig, Columbus  
 Laura Marie Walter, Columbus  
 Debra Lynn Warnke, Port Clinton  
 Barbara Ann Watkins, Columbus  
 Janet K. Williams, Prospect  
 Christine Delia Wolfe, Columbus  
 Elaine Marie Zucosky, Boston, Mass.

## College of Agriculture and Home Economics

Acting Dean: Francille M. Firebaugh

### Bachelor of Science in Agriculture

Mark Andrew Abraham, Washington C. H.  
 Patrick Alberti, Columbus  
 Nicholas Blaise Anthony, Wapakoneta  
 Gerald Bruce Arnott, Hillsboro  
 Lisa Ann Baltes, Sandusky  
 John Eugene Barga, Rossburg  
 Matt Lee Beal, Reynoldsburg  
 Robert Bernard Bero, Poland  
 Joyann Binsley, Hanoverton  
 Timothy William Bischoff, Hilliard  
 Fredrick Charles Bowling, St. Marys  
 Kristen Kellenberger Boyd, Gahanna  
 Richard Philip Boyd, Buffalo, Ill.  
 Daniel Kent Boysel, Ridgeway  
 Brian DeWitt Breece, Delaware  
 Mark Steven Brooker, Cincinnati  
 Debra Kay Burkard, Marysville  
 Christopher Eugene Burkhart, Pickerington  
 Dianne Elizabeth Clauer, Worthington  
 Mark Everett Danklefsen, Lakeside  
 Jeffrey Richard Davis, Grove City  
 Steven Derwin Davis, Stockport  
 Colleen Joy Dennis, Delaware  
 Monica Maria Desch, Dayton  
 James Leigh Dickinson, Martins Ferry  
 Barbara Jean Dowalter, Columbus  
 Jerry Lee Emerich, Bradford  
 Douglas Keith Etter, Covington  
 Francis Lee Fluharty, Smithfield  
 Nancy J. Gilmore, Marion  
 David Paul Gressley, Willowick  
 William Charles Gunderson, Columbus  
 David Arthur Heitkamp, Kettering  
 Jeffrey Patrick Hoying, Anna  
 Doris B. Huffman, Powell  
 Cathy Ann Jackson, Cincinnati  
 Keith Howard Jones, Convooy  
 Michael James Keenan, North Canton  
 Mark Eugene Kelley, Canton  
 Jeffrey Charles Kepner, Hartford

### Bachelor of Science in Food Science

William Edward Chirdon, Dalton  
 Kathryn Mary Fiorito, Hudson  
 Julie Anne Klein, Eaton  
 Hugues Victor Saint-Amand, Wooster  
 David John Sembar, Columbus  
 Mary Kay Stephenson, Lorain  
 Lynda Darlene Woodburn, Marion

### Bachelor of Science in Nutrition

Debra Lynn Nelson, Cleveland

### School of Home Economics

#### Bachelor of Science in Home Economics

Lynn Annenberg, Middletown  
 Rebecca Bailey, Canton

### Bachelor of Science in Food Technology

Pamela Kay Miller, Eaton

### Bachelor of Science in Restaurant Management

Frank Michael Gronowski, Chagrin Falls  
 Julia Margaret Grotta, Delaware  
 Caryn Jean Moos, Westerville

### School of Natural Resources

#### Bachelor of Science in Natural Resources

Robert John Arigi, Westchester, Ill.  
 Jeffrey Berling, Grove City  
 James Robert Bouldin, Columbus  
 Amanda Clay Chambers, Fremont  
 Barbara Sue Conley, Ada  
 Donna Marie Creager, Cincinnati

David Earl Davis, Barberton  
 Roland Alvin Dike, Columbus  
 Laura Susan Ditmer, Bay Village  
 Darrell Dean Doupnik, Jr., Columbus  
 Dorothy Marie Durgin, Rochester, N. Y.  
 Andrew Robert Glover, Parma  
 Linda Marie Helt, Solon  
 Kelso Keith Huffman, Jr., Worthington  
 BobbiJo Jarvis, Cincinnati  
 Mark Alan Lake, Madison  
 Timothy John Landusky, Hilliard  
 Daniel Charles Leesburg, Wheelersburg  
 Joe E. Long, Cincinnati  
 James Joseph Maurer, Battle Creek, Mich.  
 Paul George Moser, Akron  
 Erik Paul Neff, Coshocton  
 Kathy Ellen Lutz Newman, Columbus  
 Michael Pompeco, Youngstown  
 Carleen Mary Rice, Dayton  
 Randall Alexander Ross, Columbus  
 Andrew Martin Sabula, Chardon  
 Carl Denis Schneider, Amherst  
 Jeffery James Scott, Massillon  
 Charles Arthur Shaw, Milford  
 Curtis Eugene Smith, Toronto  
 William Stanley Snyder, West Liberty  
 Francis Thomas Soya, Jr., Columbus  
 Steven Michael Stanbery, Zanesville  
 Joel Preston Tilley, Columbus  
 Donald DeVictor Veri, Columbus

## Agricultural Technical Institute—Wooster

### Associate in Applied Science

Laurel Marie Baldwin, Wadsworth  
 Duane Allen Brooks, Valley City  
 Floyd Burton Catchpole, Springfield, Fla.  
 Carolyn Jane Cramer, Navarre  
 David Alan Donahue, Wooster  
 Beth Lynn Dornier, Akron  
 Carol Ann Faus, Olmsted Falls  
 James Scott Fluhart, Newark  
 Joe Paul Frankenberg, New Bremen  
 Charles Howard Gault, Albany  
 Cynthia Marie Gerych, Middleburg Heights  
 David Raymond Heilers, Anna  
 Robert Paul Hiner, Navarre  
 Dennis Joseph Holman, Fostoria  
 Brian Lester Kuns, Castalia  
 Brian J. Lehmann, Toledo  
 Steven Michael Massarelli, Poland  
 Amy Elizabeth Melferson, Dover, Del.  
 Matthew John Monroe, Cleveland Heights  
 Frederick Shawn Mosier, Orangeville, Pa.  
 Mark Dale Oberly, East Canton  
 Martin Franklin Overholt, Clarington  
 Warren Charles Roller, Wooster  
 Kenneth Allen Ulrich, Fremont

## College of Dentistry

Dean: William R. Wallace

### Certificate of Graduate Dental Hygienist

Barbara Lynne Bruno, Lorain  
 Julie Ann Keehner, West Chester  
 Angela Benita Morgan, East Cleveland

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Abdulkadir Abubakar, Bauchi, Nigeria  
 Salihu S. Abubakar, Bauchi, Nigeria  
 Laura Ann Adkins, Reynoldsburg  
 Adamu Aji, Bauchi, Nigeria  
 Margaret Ann Armstrong, Youngstown  
 Susan Ann Arter, Willoughby  
 Ahmadu Dargazu Azare, Bauchi, Nigeria  
 Donna Marie Barcik, Northfield  
 Anna Mae Barhorst, Columbus  
 Lynn Ann Frazier Bartels, Columbus  
 Ann Elizabeth Baylor, Lima  
 Peggy Jean Baysore, Troy  
 Carmela Bernadine Beining, Ottawa  
 Evan Timothy Bennett, Columbus  
 Carmen James Bonanno, Orient  
 Mark Allen Boster, Columbus  
 Kenneth Dean Bray, Columbus  
 Jim R. Broyles, Donnelsville  
 Penelope Rodgers Buckner, Darien, Conn.  
 Isyaku Yusufu Bununu, Bauchi, Nigeria  
 Harriet Sue Burcham, Johnstown  
 Sherri L. Byer, Solon  
 Vivian Marie Calabretta, Columbus  
 Lisa Kay Capatosto, Columbus  
 Molly Carver, Sandusky  
 Beverly Brayton Casto, Lima  
 Amanda Clay Chambers, Fremont  
 Cathryn Susan Chellis, Columbus  
 Catherine E. Clarke, Columbus  
 Karla S. Cline, Mansfield  
 Jennifer Long Cook, Columbus  
 Christine Louise Crabtree, Columbus  
 Virginia Christine Crandall, Bay Village  
 Ahmadu S. Y. M. Danhausa, Bauchi, Nigeria  
 Dayna Lynn Davis, Columbus  
 Kyle Louise Dennison, Columbus  
 Ruth Elizabeth Dine, Canton  
 Karen DiPangrazio, Columbus  
 Kathleen Eichelberger Dishon, Bucyrus  
 Laura Susan Ditmer, Bay Village  
 Carolyn Johnson Dresser, Columbus  
 Patricia Ann Duke, Youngstown  
 Jill Kathleen Durosoko, Madison  
 Jeffrey M. Dyer, Youngstown  
 Abubakar Hamza El-Nafaty, Bauchi, Nigeria  
 Mark Thomas Endicott, Dayton  
 Karen Consuelo Everhart, Elyria  
 Jill Ferguson, Columbus  
 Janis Elaine Foell, Dayton  
 Debra Kay Fries, Columbus  
 Paul Douglas Frye, Newcomerstown  
 Susan Kay Fuerst, Kalida  
 Sharon Walls Garman, Grove City  
 Bunni Lee George, Thornville  
 Jacquelyn Gail Gerst, Columbus  
 Stacy Lyn Goodhart, North Robinson  
 Samuel J. Graves, Versailles  
 Alan Brett Griffith, Sparta  
 Laurene Lisa Grosco, Lakewood  
 Susan Lynne Hall, Columbus  
 Abubakar Hammayo, Bauchi, Nigeria  
 Norene Ann Harrison, Killingsworth, Ct.  
 Johanna Rey Hartfield, Granville  
 Evelyn Helmlintoller, Loveland  
 Kathy Ruth Henize, Jamestown  
 Kathryn G. Herminghausen, Westerville  
 Lynda Ann Holbrook, Cincinnati  
 Jay K. Hostetler, Elyria

Edwin Terry Howard, West Chester  
 Sandra L. Hunter, New London  
 Cynthia Jo Hurley, Ironton  
 Laurie Beck Hyatt, Centerville  
 Carol Ann Irwin, Columbus  
 Dahiru Yawo Jama'are, Bauchi, Nigeria  
 Abdu Bawa Joggers, Bauchi, Nigeria  
 Joseph Allen Johnson, Plain City  
 Julie Ann Jones, Columbus  
 Suzanne Marie Kass, Powell  
 Lori Rochelle Katz, Steubenville  
 Christine Marie Kenyon, Lexington  
 Usman Musa Kinafa, Bauchi, Nigeria  
 Deborah Lynn Kitchen, Hilliard  
 Cynthia Marie Knoch, Dayton  
 Kimberlie Ann Kramer, Worthington  
 Levonda Jean Kreitzburg, Reynoldsburg  
 Susan Michelle Lauderman, Columbus  
 Kabir Mohammed Lele, Bauchi, Nigeria  
 Ann Marie Lieb, Kinsman  
 Brian Keith Lien, Fairfield  
 Lisa Ann Lintner, Circleville  
 Diana Lynn Greenlee List, Ashville  
 Stephanie Sue Longley, Akron  
 Guy Douglas Manos, Thornville  
 Teresa Ann McCarthy, Ironton  
 Susan Rae McClarren, Shelby  
 Sonya Marie McKanna, Galion  
 Diane Lynn Mericle, Delphos  
 Nancy Ann Milar, Cincinnati  
 IeAnn Ventrone Mills, Mansfield  
 Lisa Marie Montgomery, North Canton  
 Cynthia Elizabeth Moore, Tulsa  
 Renee Alise Morris, Shaker Heights  
 Daniel Danladi Nayako, Bauchi, Nigeria  
 Cynthia Ann Ortman, Columbus  
 Linda Ann Pagliaro, Reynoldsburg  
 Irene Marie Parkhurst, Columbus  
 Lynn Marie Parr, Columbus  
 Cynthia Fuller Payler, Cincinnati  
 Elizabeth Marzuerite Perine, Columbus  
 Dean Richard Petruzzi, Willoughby  
 Tina Jerome Petry, Cardington  
 Karen Marie Planicka, Toledo  
 Kristie I. Plank, Ashland  
 Joy Ann Purkiser, West Chester  
 Lorri Eitzwiler Ramey, Loudonville  
 Cynthia Jane Riddle, Fairfield  
 Elizabeth Blaine Riley, Newark  
 Marlene S. Robbins, Columbus  
 Deborah Sue Rollins, Zanesville  
 Teri Lynn Rudolph, Columbus  
 Ladan M. Sambo, Bauchi, Nigeria  
 Lori Ann Sandor, Lancaster  
 Cynthia Louise Sayers, Springfield  
 Tressa Ann Schake, East Amherst  
 Tanya Jean Schalip, Hepburn Kenton  
 Philip Henry Schnittger, Brooklyn  
 Linda F. Searcy, Reynoldsburg  
 Rebecca Ann Shaffer, Elyria  
 Phyllis Vallejo Shaw, Sandusky  
 Pamela Lynn Sheasley, Alliance  
 Jody Pack Shepherd, Columbus  
 Teresa Ludwig Shilling, Columbus  
 B.S.  
 Leslie Skelly, Lima  
 Deirdre Joy Smith, University Heights  
 Dena Sue Smith, Lima  
 Tonja Lou Smith, Wapakoneta  
 Eileen Suzanne Snider, Reynoldsburg  
 Stanley John Sobiech, Cleveland  
 Wade Hampton Spears, Mt. Vernon  
 Kathryn Magella Spires, Lancaster  
 Christopher Augustus Stallman, Jr., Columbus  
 Roberta Sue Storts, Willard  
 Jane Straus, Smithfield  
 Wade Hampton Spears, Mt. Vernon



Barbara Crouch Sullivan, Dunnellon, Fla.  
Julie Ann Tefft, Columbus  
Allen Kent Terry, Kenton  
Jody Ann Thompson, Centerville  
Patricia Jo Thompson, Youngstown  
Wendy Lynn Thurman, Marysville  
Carol Miller Tiffany, Wauseon  
Tonya Denise Wagner, Sulphur Springs  
Susan Jean Wehrle, Columbus  
Arlene Mae Weissman, Columbus  
Jane Elizabeth Willey, Zanesville  
Donna Marie Williams, Lima  
Gary Leon Williams, Wilmington  
Mary Ann Wood, Springfield  
Jacquelyn Benay Wright, Columbus

**Bachelor of Art Education and Bachelor of Music Education degrees are offered jointly by the College of the Arts and the College of Education.**

Candidates are listed under College of the Arts.

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Sean Patrick Barrett, Centerville  
Carolyn Ann Regan, Bellevue, Wash.  
Mark Webster Wolboldt, Springfield

### Bachelor of Science in Agricultural Engineering

Emrullah Ahmet Erten, Columbus  
Gregory Paul Gordon, Dover  
David Carl Hirth, Dublin  
Karl Edwin Hirsch, Northwood  
Robert James von Seggern, Delta

### Bachelor of Science in Ceramic Engineering

Carl William Berlin, Wadsworth  
Keith L. Fuller, Zanesville

### Bachelor of Science in Chemical Engineering

Annette Lynn Hissong, Rock Island, Ill.  
Mohd Salleh Kayat, Kuala Lumpur, Malaysia  
Amir H. Mamaghani, Tehran, Iran  
James Joseph Mazza, Columbus  
Joyce Ann Wagner, Wooster  
Richard Allen Yarborough, Clinton

### Bachelor of Science in Civil Engineering

Patrick Anthony Albarano, Steubenville  
Hamid Reza Djahanshahi, Shirazi, Iran  
Ronald Todd Erb, Columbus  
Carol Ann Fantozzi, Columbus  
Daniel Charles Hollander, Delaware  
Gregory Brent Huber, Wapakoneta  
Forrest (Nghia) T. Luu, Columbus  
Kelly Lee Miller, Columbus  
Richard Denman Morris, Columbus  
Larry Gene Parks, Mansfield  
Larry Thomas Parnell, Cambridge  
John David Plaisted, Worthington  
Scott Frederick Randall, Aurora, Ill.  
Loyal Rick Ruegsegger, Waverly  
James Timothy Saylor, Berea  
Siew Chuan Tan, Seremban, Malaysia  
Jeffrey Scott Terry, Powell  
William Lee Turner, Jr., Cleveland  
David M. Ungar, Lakewood  
Gary Dennis Yancer, Elyria

### Bachelor of Science in Computer and Information Science

John Robert Balogh, Edgerton  
Randolph Lewis Boring, Columbus  
Michael Edward Capelle, Monroeville  
Scott Edison Davies, Findlay  
James Fredrickson, Moorestown, N. J.  
Stewart Harlan Golden, Columbus  
Bruce Alan Holloway, Jr., Pickerington  
Rakesh Jain, Jamaica Estates, N. Y.  
Randall Eric Johnson, Urbana  
David William Keene, Avon Lake  
Glendon Craig King, Worthington  
Teresa Anne Little, Columbus  
David Jack Park, Columbus  
George Edward Raudabaugh, Columbus  
Cynthia Ann Steele, Gahanna  
Linda Ann Thayer, Lancaster

### Electrical Engineer

Issam Hassan Nasser, Beirut, Lebanon

### Bachelor of Science in Electrical Engineering

Samuel Alabi  
Hossein K. Asgari, Tehran, Iran  
Tony Anthony Austin, Columbus  
Steven Louis Barnicki, Avon Lake  
Daniel Eric Bishop, Columbus  
Robert Paul Brinkman, Columbus  
Roderick William Caldwell, Columbus  
Antonio Ignatius Chirco, Dayton  
Roger Ansley Clark, Columbus  
Jeffrey Philip Cohen, Miami, Fla.  
Robert Arthur Collins, Indialantic, Fla.  
Fred Eugene Custer, Wheeling, W. Va.  
Garth S. Finch, Cincinnati  
David Rahm Fitch, Portsmouth  
Roy Allen Flowers, Toledo  
David Charles Gase, Fostoria  
Jacob Sean Glower, Columbus  
James Harry Godfrey, Newark  
Craig Joseph Hannan, Shadyside

Karl Parker Harvey, Rushsylvania  
James Henry Homer, Columbus  
Abdulrahman Khalid Jallad, Toulkarm, West Bank  
Terry Lynn Johnstone, Reynoldsburg  
Jeffrey Joe Karcher, Cairo  
Michael E. Kastner, Jr., Huntington, Conn.  
Erik Andris Lacies, Indianapolis, Ind.  
Yiukow Benjamin Lee, Cleveland  
Perry Andrew Molley, Canal Winchester  
Gerald Roger Morris, Bellflower, Calif.  
Wai Leung Ngai, Hong Kong  
Peter Charles Ouimet, Columbus  
Clint Robert Parry, Youngstown  
Douglas Patrick Pohl, Geneva  
James Michael Prokup, Defiance  
Bruce Paul Renard, Newark  
Frank Robinson, Jr., Cleveland  
Roger Elmer Romie, Troy  
Michael William Rush, Columbus  
Paul Chris Sadlek, Parma  
Steven T. Saunders, Newark  
Douglas Joseph Scofea, Ashland  
Ludwig J. Stevens, Stuttgart, Germany  
Giancarlo Tasso, Sao Paulo, Brazil  
Keith Emerald Thompson, Sidney  
Michael J. Thompson, Cleveland  
Steven Lee Tibrea, East Rochester  
John A. Vietmeier, Lisbon  
Ninh Van Vu, Columbus  
Steven Richard Waggoner, London  
Dennis Eugene Weber, Trenton  
Alan John Will, New Bremen  
Ray Alan Williams, Beaver Creek  
David Alan Woodward, Stow  
Jia-Cherng Yuan, Bangkok  
Paul Owen Zimmerman, Delaware

### Industrial Engineer

Robert Walter Mishowsky

### Bachelor of Science in Industrial and Systems Engineering

Mussaad Hosane Al-Sane, Khittan, Kuwait  
Stefan Thomas Anderson, Bowling Green  
Leonard W. Copus II, Uniopolis  
Annette M. DePauw, North Olmsted  
David Paul Edelbrock, Findlay  
Roger Delano Farrell, Columbus  
Clarke Scott Freed, Toledo  
James Michael Hale, Akron  
Mark Allen Klosterman, Celina  
Sandra Carol McHugh, Vermillion  
Joseph Donald Moskal III, North Tonawanda, N. Y.  
Claudia Lee Novicki, Columbus  
Scott William Ritter, Sandusky  
Mitchell Todd Stone, Newark  
Sandra Rose Tackett, Sunbury  
Yilma Wube, Columbus

## Mechanical Engineer

John A. White

## Bachelor of Science in Mechanical Engineering

Anuporn Asdornithee, Bangkok, Thailand  
James Joseph Baird, Columbus  
Jeffrey Allen Banks, Tiffin  
Ross Julian Belloni, Brewster  
Victor Eugene Carpenter, Kent  
Jeffrey David Clark, Harpster  
Mortezavi Hashemi Dolatabady, Tehran, Iran  
Steven Keith Ennis, Columbus  
Kamyar Enshayan-L, Columbus  
Robert A. Fresco, Columbus  
James Joseph Fuller, Cleveland  
Ronald Alan Gatchell, Harpster  
Leilani Glower, Columbus  
John William Grosh, Worthington  
Chester Scott Harris, Tustin, Calif.  
Klaus Dieter Hausmann, Rocky River  
Craig Alan Johnson, Kettering  
Amir Ali Kamouneh, Tehran, Iran  
Douglas James Kehres, New Washington  
Alan George LaForrest, Findlay  
Chad Eugene Law, Crestline  
Gregory Owen Leitch, Wooster  
William Elias Luce, Sand Springs, Okla.  
John Eugene Nemeth, Elyria  
Kenneth Andrew Ober, Springfield  
Roger Warren Riggs, Wadsworth  
Kenneth Alan Rowles, Pleasantville  
Daniel Schnurr Sabo, Monroeville  
Stephen Wayne Spencer, Stoutsville  
Patricia Ann Straley, Cedarville  
John Folden Stumpf, Athens  
David Wendell Ticknor, Kirtland  
Bruce Henry Watkins, Perrysburg  
Robert Charles White, Fremont

## Bachelor of Science in Metallurgical Engineering

Francis R. Papay, Jr., Amherst  
Scott David Whitney, Worthington  
Betty Jane Wise, Lakeville

## Bachelor of Science in Mining Engineering

Brett Ivan Gross, Columbus  
Gregory Stephen Williams, Rocky River

## Bachelor of Science in Surveying

Warren Diehl, Ashville

## Bachelor of Science in Welding Engineering

Robert Scott Boggs, Columbus  
Jerry H. Grajzl, Jr., Chesterland  
Timothy Edward Hatten, Columbus

Scott Douglas Knechtl, Broadview Heights  
Jerome Clyde Nordby, Dayton  
Haskell Simpkins, Cummaquid, Mass.  
James Bernard Toenis Koetter, Worthington  
Dean Yashan, Amherst

## School of Architecture

### Bachelor of Science in Architecture

William Hodges Hendrix, Columbus

### Bachelor of Science in Landscape Architecture

Jonathan Dudley Wood, Lakewood

## College of Law

Dean: James E. Meeks

### Juris Doctor

Eliot W. Abarbanel, Chicago, Ill.  
B.A., M.A. (University of Chicago)

Pamela An Ames, Columbus  
B.S.Nurs., M.S.

Jennifer Ruth Bacon, Upper Sandusky  
B.A. (Miami University)

Susan E. Boker, Warren  
B.A.

Pamela Sorgatz Bousquet, Fairborn  
A.B. (University of Illinois);  
M.Ed. (Wright State University)

William Royer Decatur, Oxford  
B.A. (Miami University)

Cynthia Lynn Dillon, Cincinnati  
B.A. (University of Cincinnati)

Linda Jane Fisher, Columbus  
B.A. (Miami University);  
M.B.A. (George Washington University)

David Stanley Pennington, Columbus  
B.A. (University of Washington)

Margaret Jayne Pitts, Kent  
Bachelor of General Studies (Kent State University)

Diane Catherine Reichwein, Columbus  
B.A.S.W. (University of Pittsburgh)

Mark Samuel Toledo, Boise, Idaho  
B.A. (Boise State University)

Liza Toth, Paris, France  
B.S. (Antioch College)

John Frederick Winkler, Wellston  
B.A. (Yale University)

## College of Medicine

Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

Norman Douglas Baker, Columbus  
B.A. (Wittenberg University)

Cynthia Ann Coles, Zanesville  
B.S. (Ohio University)

James Robert Evans, Columbus  
B.S.

John Russell Hazlip, Uniontown  
B.S. (Kent State University)

Daniel John Heinmiller, Columbus  
B.S. (University of Notre Dame)

Debra Ann Heldman, Marietta  
B.S. (Marietta College)

Harry Waldron McConnell, Akron  
B.S. (Wittenberg University)

Richard John Patterson, Canton  
B.A. (Northwestern University)

William Elmer Scherger, Delphos  
B.A.

Ronald Ian Shorr, Cleveland  
B.A. (Duke University)

Jeffrey Dean Trabue, Columbus  
B.A. (Wittenberg University)

Blayne Rebecca Tuggle, Cincinnati  
B.A. (Wittenberg University);  
M.S. (Western Kentucky University)

Edith Kay Woody, Columbus  
B.S. (Bethune-Cookman College);  
M.S. (Atlanta University)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Virginia Louise Abbot, Columbus  
Janice Marie Adamovich, Macedonia  
Rosemary Ann Andorka, Canton  
Beth Marie Bable, Flat Rock  
Julie May Baptista, Bellevue  
Carol Frances Bartolo, Youngstown  
Carolyn Louise Bergin, Warren  
Randy Alise Berman, Lancaster, Pa.  
Cheryl Ann Borden, Columbus  
Barbara Ann Boucher, Bryan  
Teresa Ann Burk, Springfield  
Diane Marie Caligiuri, Cincinnati  
Sharon Sue Corrigan, Toledo  
Ruthann Crane, Youngstown  
Nancy Marie Crissman, Brookfield  
Kathy Lynn Davis Crossen, Rio Grande  
Robert Warren Crossmon, Loudonville  
Susan Elaine Diekman, St. Marys  
Karen Sue Eldredge, Chardon  
Dianne Patricia Faehle, Columbus  
Joseph James Fagan, Ocean City, N. J.  
Beth Barth Farrington, New Washington  
Peggy Ann Fink, Broadview Heights

Teresa Ann Gibson, Pickerington  
 Carol Lorraine Haas, Marietta  
 Jacqueline Deanna Hartley, Cincinnati  
 Melodee Jean Hayes, Akron  
 Patricia Janine Heider, Dayton  
 Nancy Irene Horner, Cincinnati  
 Susan Jean Horner, Kenton  
 Cathy Lee Jones, Columbus  
 Heidi Lynn Kaplan, Kent  
 Lisa Marie Kitchen, Kettering  
 Leon Joseph Kline, Akron  
 Theresa Louise Kollar, Franklin, Pa.  
 Heidi Barbara LaRue, Broadview Heights  
 Bethany Kaye Lebold, Akron  
 Krista Elizabeth Lindenmuth, Germantown  
 Joy Ellen Litten, Columbus Grove  
 Kirstin Annora Livingston, Aurora  
 Victoria Annette Manger, West Jefferson  
 Teresa Ann May, Anna  
 Gretchen Elizabeth McQuown, Warren  
 Amy Lynn Miller, Reynoldsburg  
 Amy Postema Miller, Plymouth  
 Nancy Lynn Miller, Cleveland Heights  
 Pamela Anne Miller, North Olmsted  
 Lori Lynn Mong, Mansfield  
 Gilbert Charles Morris, Upper Arlington  
 Christine Paula Newlon, Columbus  
 Kathryn Marie Nietert, Trotwood  
 Laura Anne Pompei, Zanesville  
 Jayne Michelle Prushing, Hamilton  
 Ruth Mary Redle, Akron  
 Mary Frances Rieser, Columbus  
 Cindy Joy Schwartz, Cincinnati  
 Barbara Ann Seilkop, Greenfield  
 Gina Sentelik-Roberts, Stow  
 Laurie L. Shuts-Owens, Worthington  
 Susan Lynn Smith, Campbell  
 Sharon Lee Sparks, Dayton  
 Karen Marie Stalkamp, Beaver Creek  
 Sheryl Ann Starz, Columbus  
 Cherrilee Steele, Columbus  
 Rhonda Renee Stone, Ironton  
 Lesa Ann Foster Stover, Mt. Gilead  
 Laura Lynne Thomas, Cincinnati  
 Barbara Ann Tindal, Cleveland  
 Kenneth David Whalen, Centerville  
 Mo-Ching Yu, Hong Kong  
 Caroline Ann Zimmerman, Columbus

## School of Nursing

### Bachelor of Science in Nursing

Milinda Birnbaum, Marion  
 Syndee Jo Bittengle, Shadyside  
 Kathy Lynn Conner, Bainbridge  
 Karen Joan Crane, Canton  
 Anita Marie Davis, Ravenna  
 Kendall Jayne Davis, Akron  
 Martha Marie Doody, Rocky River  
 Debra Ann Fagert, Youngstown  
 Tracy Anne Gaul, Strongsville  
 Kathy Ann Gorsuch, Amsterdam  
 Theresa Marie Grohs, Sandusky  
 Dawn Lynnette Hawkes, Williamsport  
 Cynthia Pablo Mak, Worthington  
 Luanne Marie May, Hubbard  
 Julie Christine Peraus, Strongsville  
 Laura Beth Richm, Cincinnati  
 Rebecca Jo Latorre Schmitt, Galloway  
 Deborah Ann Tettelbach, Cincinnati  
 Susan June Wallace, Columbus

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Angel Lea Ciancio, Ravenna  
 Mark Stephen Dominik, Celina  
 Juliet Claire Gothelf, Hudson  
 Paul Jeffrey Hassel, Chardon  
 B.S. (Heidelberg College)  
 Scott Gerard Jamieson, Columbus  
 Brian George Prewitt, Blanchester

## College of Social Work

Acting Dean: Thomas M. Meenaghan

### Bachelor of Science in Social Welfare

Elizabeth Ann Henderson, Cincinnati  
 Audrey Paulette Saewitz, Dayton

## Graduates with Honors

**With Distinction in  
 Agricultural Economics**

Alan Curtiss Motto

**With Distinction in  
 Photography and Cinema**

Janet Myers Schmidt

**With Distinction in English and  
 With Honors in the Liberal Arts**

Genevieve Lynn Van Hyde

**With Honors in the Liberal Arts**

Daniel Buchanan

### Cum Laude

Carol F. Bartolo  
 Joyann Binsley  
 Daniel Thomas Burke  
 Sherri L. Byer  
 Amanda Clay Chambers  
 Antonio Ignatius Chirco  
 Roger Ansley Clark  
 Timothy Brian Day  
 Cheryl Ann Dodds  
 Carol Ann Faus  
 Roy Allen Flowers  
 Kerrill Ann Foster  
 Jacob Sean Glower  
 Adam Goldberger  
 Stewart H. Golden  
 William Hodges Hendrix  
 Kathy Ruth Ilonize

Susan J. Horner  
 Douglas Eugene Horton  
 Mary Elizabeth Hoying  
 Cathy Ann Jackson  
 Elizabeth Seton Kilsheimer  
 Kaye Marie Kipp  
 Nancy Eileen Kirwin  
 Ann Marie Lieb  
 Teresa Ann McCarthy  
 Stephen Michael Neal  
 Barbara Teatino Nini  
 Mark Dale Oberly  
 Cynthia Ann Ortman  
 Richard John Patterson  
 Kristie J. Plank  
 George Edward Raudabaugh  
 Mary F. Rieser  
 James Timothy Sayler  
 Douglas Joseph Scofea  
 Mary Hughes Seeman  
 Lesa F. Stover  
 Marcia Kay Stutzman  
 Barbara Crouch Sullivan  
 Janet Taylor Terhune  
 Ruth Elaine Torrie  
 Laura Marie Walter  
 Donna Marie Williams  
 Roxanne Wiseman  
 Diane K. Yanice  
 Michael David Zuern

**Cum Laude with Distinction in  
 Environmental Communications**

Dorothy Marie Durgin

**Cum Laude with Distinction in  
 Family Relations and Human Development**

Diane Marie Urig

**Cum Laude with Distinction in Horticulture**

Steven Mryan Magley

**Cum Laude with Distinction in  
 Plant Pathology**

Timothy Bischoff

**Cum Laude with Distinction in  
 Textiles and Clothing**

Teena Marie Kite

**Cum Laude with Distinction in Astronomy  
 and with Honors in the Liberal Arts**

Stephen Andrew Cota

## Summa Cum Laude

Gary Wayne Addison  
 Kerry Annette Ater  
 Cheryl A. Borden  
 Gay Bosley Carr  
 Warren Earl Diehl  
 David Raymond Heilers  
 John Frank Herbert, Jr.  
 Carol Ann Irwin  
 Erik Andris Lacin  
 Chad Eugene Law  
 Drew Allen Logan  
 Denn Paul Margeson

Daniel Philip Minutilli  
Gerald Roger Morris  
Dana Gast Pritchett  
Lori Ann Sandor  
Steven T. Saunders  
Linda F. Searcy  
Teresa Ludwig Shilling  
Leslie Skelly  
Susan Lynn Smith  
Kristine Frey Tikson

**Summa Cum Laude with Distinction in  
Forest Biology**

Joel Preston Tilley

**Summa Cum Laude with Distinction in  
Textiles and Clothing**

Barbara Jean Chapman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 9, 1982

The Board of Trustees met at its regular monthly meeting on Thursday, December 9, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J. Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

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Minutes of the last meeting were approved.

\* \* \*



December 9, 1982 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

#### AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY

Resolution No. 83-61

*Synopsis: Amendments to rules 3335-5-46, 3335-5-49, 3335-5-50, 3335-5-52, and 3335-7-32 are presented for adoption.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in *Rules of the University Faculty* were approved by the University Senate on November 13, 1982, as follows:

#### Amended Rules

##### 3335-5-46 Senate committees.

- (E) Committee chairpersons: except where otherwise specified by the senate, each committee shall elect its chairperson pro tem in the spring from its continuing membership and a chairperson at its first meeting in the autumn quarter.
- (F) Committee vacancy: the chairperson will report vacancies to the appropriate nominating source. For the purpose of this rule, a vacancy exists when an elected member is on leave of absence or fails to meet the participation requirements defined by the committee.

#### Steering committee

- (I) The steering committee shall consist of thirteen members apportioned as follows: six faculty, one dean, two administrators, and four students. The faculty representatives, three of whom shall be elected each year, and the dean shall be ineligible for immediate reelection. The representatives from the administration shall be the vice president for academic affairs and provost and the university fiscal officer. The (elected) members of the steering committee shall be chosen as follows:

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

- (1) The faculty membership shall nominate a slate of at least three and no more than six faculty representatives.
- (2) The representatives of the administration shall nominate at least one and no more than two deans when a new representative is elected.
- (3) The four student members shall be as follows:
  - The president of the graduate-professional council
  - The president of the council of graduate students
  - The president of the undergraduate student government
  - One elected through nomination from the undergraduate student membership of the senate.
- (K) The steering committee shall annually select its chairperson from among the six faculty members of the committee.
- (L) The steering committee shall have the following duties and responsibilities:
  - (1) It shall be the senate's committee on committees: it shall have the power to call, by a vote of nine of its members, a special meeting of the senate, and shall have such power and duties as the senate may delegate to it during periods when the senate is not in session. It may create subcommittees and may delegate to them any of its powers, functions, and duties.
  - (2) The steering committee shall serve as a channel of communication between the university senate and the president and the board of trustees. Its elected members shall be an advisory group available to both the president and the board of trustees for advice and counsel on any matter relating to the operation and development of the university. After consulting with the president, the elected members of the steering committee may request and obtain a meeting with the board of trustees.
  - (3) The steering committee shall, at the beginning of each year or as vacancies may occur, nominate candidates for election by the senate to membership on those committees for which other means of nomination are not specified in the rules.
  - (4) The steering committee shall meet at least once every year with the chairpersons of all standing committees.

**Elections committee**

- (V) The elections committee shall have the following duties and responsibilities:
  - (3) Hearing appeals concerning election of senate members and making recommendations to the senate on the resolution of such appeals. (B/T 7/7/72, B/T 6/14/74, B/T 3/7/75, B/T 7/9/76, B/T 7/21/78, B/T 7/20/79, B/T 2/1/80, B/T 3/6/81, B/T 12/9/82)

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

**3335-5-49 The library council.**

- (A) The library council shall consist of nine members of the university faculty, one of whom is a member of the senate; the vice president for academic affairs and provost, or designee; the dean of the graduate school; the director of libraries; one graduate student appointed by the president of the council of graduate students with the approval of the council of graduate students; one professional student appointed by the president of the graduate-professional council with the approval of the graduate-professional council; and two undergraduate students appointed by the president of the undergraduate student government with the approval of the undergraduate student assembly. The faculty council shall appoint the nine faculty members for three-year terms, three to retire each year and to be ineligible for reappointment during one year thereafter. The chairperson shall be elected from among the faculty members of the library council and shall report to the university senate.
- (C) Reports by this council to the president, other than those made through the university senate, shall be made through the vice president for academic affairs and provost.
- (D) The library council is responsible for advising the vice president for academic affairs and provost on the appointment of a director of libraries.

**3335-5-50 Council on student affairs.**

- (A) The council on student affairs shall consist of fifteen members as follows:
  - (1) Eight students to be selected as follows:
    - (a) The president of the undergraduate student government.
    - (b) The president of the association of women students.
    - (c) Two students appointed by the president of the undergraduate student government with the advice and consent of the student assembly.
    - (d) Two students to be appointed by the president of the council of graduate students with the advice and consent of that council.
    - (e) One student to be appointed by the president of the graduate-professional council with the advice and consent of that council.
    - (f) One representative student appointed by the president of the freshman senate from the membership of that body.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

The six students appointed shall serve one-year terms but shall be eligible for reappointment.

- (2) Six elected faculty members, at least two of whom shall be university senate members, chosen by the university senate for three-year terms, two to be chosen each year.
- (3) The executive associate vice president for academic affairs (student services), who shall vote in case of ties.
- (B) The executive associate vice president for academic affairs (student services) shall be chairperson of the council and shall report as requested to the vice president for academic affairs and provost and to the university senate.
- (C) The council shall be the principal liaison council between student government and the faculty and administration. It may recommend to the university senate proposed legislation affecting student life and activities. Its administrative responsibilities shall be expressed through recommendations to the executive associate vice president for academic affairs (student services).
- (G) Without limiting the generality of the foregoing, the council's jurisdiction shall also extend to rights and responsibilities of students. Other specific responsibilities consistent with the concept of the council as outlined above may be added from time to time by assignment from the vice president for academic affairs and provost.

3335-5-52 Council on admission and registration.

- (A) The council on admission and registration shall consist of seventeen members chosen as follows:
  - (1) Appointed members. Three members of the university faculty shall be appointed by the president for three-year terms. Appointed members shall be eligible for reappointment.
  - (2) Ex officio members. The persons holding the following three titles shall be ex officio members: vice president for academic affairs and provost or designee (who shall serve as chairperson of the council); executive associate vice president for academic affairs (student services) or designee (who shall serve as secretary of the council); and the vice president for business and finance or designee.
  - (3) Members elected by the senate: six faculty, at least three of whom shall be senate members; two undergraduate students; two graduate students; and one professional student.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

- (B) It shall be the responsibility of this council to recommend, to the appropriate university offices or to the university senate, depending on the nature of the recommendation, administrative policies governing admission to the university, and student registration. Such recommendations as impinge on academic policies or standards shall be developed in collaboration with the council on academic affairs.
- (C) Reports by this council to the president, other than those made through the university senate, shall be made through the executive associate vice president for academic affairs (student services).

**3335-7-32 Withdrawal from courses or from the university.**

- (C) Until five p.m. of the third Friday of a quarter or the second Friday of a summer term, a student may withdraw from any or all courses which began in the same quarter (or term), and no record for the course(s) will be entered on the student's official permanent record.
- (D) After five p.m. of the third Friday of a quarter and until five p.m. of the seventh Friday of a quarter, if a student withdraws from any or all courses which began in the same quarter, the director of registration, records, and scheduling is authorized to enter the mark "W" on the student's official permanent record for the courses withdrawn.
- (E) After five p.m. of the seventh Friday of the quarter or the second Friday of a summer term, a student who because of circumstances beyond his/her control finds it necessary to withdraw from any or all courses, must file the appropriate petition with the authorized representative of the dean or director of the enrollment unit. Reasons not acceptable include (but are not limited to) the student's performance in the course(s), lack of preparation for the course(s), or dissatisfaction with the subject matter offered in the course(s). If the petition is approved, a copy will be filed with the director of registration, records, and scheduling who is then authorized to enter the mark "W" on the student's official permanent record and the instructor(s) of the course(s) will be so notified. If the petition is not approved, the student continues to be enrolled in the course(s) and a final mark must be submitted by the instructor(s). Withdrawal from any and all courses shall not be permitted after the last day of regularly scheduled classes except when the student experiences a genuine emergency after the regularly scheduled classes end and prior to sitting for the final examination in a given course or courses.
- (F) Withdrawal from any or all courses shall not be permitted after the final examination in that course has been given.

December 9, 1982 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to existing *Rules of the University Faculty* be adopted by the Board of Trustees for implementation and incorporation in the Administrative Code.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**THE OHIO STATE UNIVERSITY COLLEGE OF DENTISTRY  
INTRAMURAL PRACTICE PLAN**

Resolution No. 83-62

*Synopsis: Adoption of a dental practice plan governing the intramural practice activities of faculty members of the College of Dentistry is proposed.*

WHEREAS the College of Dentistry has maintained a dentistry practice clinic to promote the research and teaching objectives of the College; and

WHEREAS the dean of the College of Dentistry in consultation with the dentistry faculty and appropriate University offices/officials has determined that the current appointment/fiscal process associated with clinical practice needs to be redefined; and

WHEREAS the establishment of an intramural dentistry practice plan is consistent with practices in place at other colleges of dentistry; and

WHEREAS the establishment of such a plan would further enhance academic excellence within the College of Dentistry as well as the quality of service provided in the dental clinic:

NOW THEREFORE

BE IT RESOLVED, That the Intramural Practice Plan of Dentistry be approved and adopted for implementation effective July 1, 1982, and that the provisions of the plan be designated as Rules 3335-107-01 through 3335-107-05 of the Ohio Administrative Code; and

BE IT FURTHER RESOLVED, That all actions heretofore taken by the Dean of the College of Dentistry pursuant to the provisions of this resolution are hereby affirmed and ratified.

December 9, 1982 meeting, Board of Trustees

**THE OHIO STATE UNIVERSITY COLLEGE OF DENTISTRY  
INTRAMURAL PRACTICE PLAN (contd)**

**NEW RULES**

**3335-107-01 Introduction.**

The Ohio state university college of dentistry, recognizing that the intramural practice plan of dentistry by all full-time members of the faculty of the college of dentistry who are licensed to practice dentistry in the state of Ohio will serve to enhance the teaching, research and patient care missions of the college, hereby grants to each member the privilege of conducting such intramural practice subject to the terms and conditions incorporated into this practice plan. All persons beginning service as full-time faculty members at the Ohio state university on July 1, 1982, and thereafter, shall be subject to this plan as a condition of their employment at the Ohio state university and all persons who began service as a full-time faculty member prior to July 1, 1982, shall have the opportunity to join this practice plan and it shall then be a condition of their employment at the Ohio state university.

**3335-107-02 Definitions.**

For purposes of rules 3335-107-01 to 3335-107-05 of the Administrative Code:

- (A) "Full-time faculty member" shall mean a member of the faculty of the Ohio state university college of dentistry who is appointed to the college on an appointment requiring one hundred percent service to the university.
- (B) "Salary" shall mean the individual faculty member's base salary specified in the annual notice of appointment issued by the Ohio state university.
- (C) "Practice income" shall mean total receipts from patient care fees generated by a full-time faculty member covered under this plan from the performance of patient care services.
- (D) "College" shall mean the Ohio state university college of dentistry.
- (E) "Dean" shall mean the dean of the Ohio state university college of dentistry.
- (F) "University" shall mean the Ohio state university.

**3335-107-03 Operational procedures.**

**(A) Practice time.**

All full-time faculty members of the college who are licensed to practice dentistry in the state of Ohio will be permitted to practice up to an average of one day per week within the Ohio state university in accordance with the policies and procedures regarding outside professional services as adopted by the university. No other practice by a full-time faculty member outside the university will be permitted. Practice time and location will be agreed upon by the dean of the college, the individual faculty member and the chairman of the section in which the faculty member serves.

**THE OHIO STATE UNIVERSITY COLLEGE OF DENTISTRY  
INTRAMURAL PRACTICE PLAN (contd)**

- (B) (1) The college of dentistry will supply clinical facilities, known as the "intramural practice clinic," where the individual faculty member is to conduct his intramural patient care practice. Such clinical facilities shall include designated practice space and fixed equipment, including a dental chair, and fixed handpieces associated therewith, laboratory equipment, and operating equipment. The college shall see that the personnel or mechanisms necessary to support the practitioner and to coordinate appointments and billings in accordance with paragraph (C) of rule 3335-107-03 of the Administrative Code are provided the faculty member.
- (2) The individual faculty member shall be responsible for furnishing and paying for his or her own specialized materials, instruments, and laboratory fees as determined by the dean.
- (C) Appointments, billings and collections.

The college shall be responsible to see that a professional fee office will be maintained as a part of this practice plan. This office shall be responsible to see that billing statements are issued, fees collected, and that appropriate records of all billings and payments are maintained for all full-time faculty participation in this plan. The records will be kept current and be open for inspection by the dean of the college, section chairpersons, or any faculty member participating in this practice plan. Appointment books recording the daily private practice of the members will be kept in the intramural practice clinic by individuals designated by the dean. These books are subject to review by the dean or his representatives.

**3335-107-04 Allocation of fee income and costs associated with production of fees.**

- (A) Distribution of costs.

The college shall maintain accurate records of the total costs (direct or indirect) incurred in university facilities to support patient care practice. It is recognized that these costs are appropriately shared by the Ohio state university, the college of dentistry, and the individual faculty member.

- (B) Distribution of practice income.

In addition to his or her "salary," each faculty member participating in this practice plan shall be permitted to generate practice income from his patient care activities. Practice income shall be distributed as follows:

- (1) Fifty percent of a full-time faculty member's practice income shall be payable to the individual faculty member, subject to no further university limitations.
- (2) A percentage of a full-time faculty member's practice income, as agreed upon by the authorized fiscal representative of the Ohio state university and the dean, shall be paid to the Ohio state university to compensate the university for the costs (direct and indirect) associated with the dental facilities provided at the university. This percentage amount shall be no less than ten percent of practice income.



December 9, 1982 meeting, Board of Trustees

**THE OHIO STATE UNIVERSITY COLLEGE OF DENTISTRY  
INTRAMURAL PRACTICE PLAN (contd)**

- (3) The remaining percentage of a full-time faculty member's practice income, after deducting the percentage paid pursuant to paragraphs (B) (1) and (B) (2) of rule 3335-107-04 of the Administrative Code, shall be paid to the college of dentistry to be used as determined by the dean.

3335-107-05 Academic program considerations.

(A) Patient care.

Every patient treated within the intramural practice clinic shall be assigned (or will select on the advice of a referring dentist or physician) a faculty member as his or her personal dentist. The personal dentist will be responsible for the professional care of the patient. The personal dentist shall obtain the necessary consent from each of his or her patients, such that every patient treated within the intramural practice clinic shall be available for student observation and training.

(B) Records.

All records pertaining to patient care, billing, appointments and collections within the intramural practice clinic shall be made available for student observation and training.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the foregoing resolution was adopted by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 82-63

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Leaves of Absence Without Salary and Emeritus Title are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 5, 1982 meeting of the Board, including the following Leaves of Absence Without Salary and Emeritus Title as detailed in the University Budget, be approved.

Leaves of Absence Without Salary

EDWARD P. CORBETT, Professor, Department of English, effective January 1, 1983 through March 31, 1983, to serve as visiting professor at the University of Houston.

December 9, 1982 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary

DAVID K. HSIAO, Professor, Department of Computer and Information Science, effective October 1, 1982 through June 30, 1983, to attend the Naval Postgraduate School.

JOHN H. KESSEL, Professor, Department of Political Science, effective January 1, 1983 through March 31, 1983, to accept a fellowship from the Earhart Foundation to work on a book to be called, *Presidential Parties*.

LOUISE GUTHMAN, Associate Professor, Department of Dance, effective October 1, 1983 through December 31, 1983, for personal reasons.

ELEANOR DANIEL, Assistant Professor, University Libraries, effective November 15, 1982 through January 2, 1983, for medical reasons.

#### Emeritus Title

VERNON L. THARP, Department of Veterinary Clinical Sciences, with the title Professor Emeritus, effective February 1, 1983.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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### RESOLUTIONS IN MEMORIAM

Resolution No. 83-64

*Synopsis: Resolutions honoring the service of four of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

#### C. Joseph DeLor

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 9, 1982, of C. Joseph DeLor, Professor Emeritus in the Department of Medicine.

C. Joseph DeLor was born January 24, 1907, in Sandusky, Ohio. He attended the public schools in Sandusky and obtained a Bachelor of Arts degree from Michigan in 1928. He

December 9, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

#### C. Joseph DeLor (contd)

later transferred to The Ohio State University and obtained a Master of Science degree in Pathology in 1934 and a M.D. degree in 1934. Following graduation from medical school he interned at the old St. Francis Hospital from 1934 to 1935 and was a resident in medicine at the University Hospital from 1934 through 1937. He joined the faculty as a Clinical Assistant in 1937. He rose through the ranks and obtained the rank of Professor in the Department of Medicine in 1959. He was a member of the American Board of Internal Medicine, the American College of Physicians, and the American Gastroenterological Association. He was later appointed to the Pomerene Chair of Medicine and in 1977 became Professor Emeritus in the Department of Medicine.

Dr. DeLor received many honors during his career, among these being the Distinguished Service Award from The Ohio State University in 1980. He also received the Alumni Achievement Award from the College of Medicine. There was a named scholarship in biology contributed in his honor at Wittenberg University.

Among his many contributions to the College of Medicine, none was more important than the fact that he was able, in collaboration with former Professor of Surgery, John W. Means, to found the Division of Gastroenterology. The origin of this was commonly known as the old Gallbladder Clinic but gradually developed under Dr. DeLor's direction into the Division of Gastroenterology. He remained head of this Division until 1968. During this time a recognized training program was established in gastroenterology which has remained until this time. In collaboration with Ernest Scott, former Professor of Pathology, John W. Means, and Harry Reinhart, Professor of Pathology, and other contemporary associates, Dr. DeLor published a large number of scientific papers, largely in the field of gastroenterology and particularly some early important work in the field of gallbladder and biliary tract disease.

One of Dr. DeLor's most notable characteristics was that of an extreme sense of loyalty to his family, his friends, his patients, and particularly to The Ohio State University and its College of Medicine. No faculty member ever worked harder to promote the quality of patient care and instruction at this College of Medicine.

Among Dr. DeLor's many interests, none was more important to him than his love of nature. He was an avid fisherman and hunter and, more important, a conservationist in the true sense of the word.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Robert M. Gatrell

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 4, 1982, of Robert M. Gatrell, Professor Emeritus in the Department of Art.

December 9, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Robert M. Gatrell (contd)

Professor Gatrell earned his undergraduate and M.A. degrees at The Ohio State University.

Professor Gatrell joined the faculty of The Ohio State University as an Instructor in 1929 and continued to serve until 1976, a total of 48 years of service going through the successive ranks of Instructor to full Professor.

During World War II, Professor Gatrell served first in the Military Police and then in Army Intelligence as a photo-interpreter and was awarded the Bronze Star for special detections he made during Third U. S. Army operations in France.

When he returned to the University in 1946, the School of Art entered upon a period of expansion and an extensive revision of its curriculum. Professor Gatrell became a leader in establishing new educational standards for the school and was instrumental in inaugurating the new area of graphic arts in the instructional program of the school.

Over the years, Robert Gatrell received numerous awards and purchase prizes for his works in various media and is represented in dozens of private and public collections in Ohio. He and his wife have been a part of - and in many ways have guided - the growth and enrichment of art in Columbus for nearly half a century.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Martha Nelson Lewis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 27, 1982, of Martha Nelson Lewis, former Director and Professor Emeritus of the Medical Dietetics Division, School of Allied Medical Professions.

Martha Nelson Lewis was born November 26, 1900, at Good Hope, Ohio. She was educated in the public schools of Washington Court House (Ohio) and received her B.S. degree from The Ohio State University in 1923. Her certificate of dietetic internship and M.S. degree were awarded by the University of Iowa, 1924. She pursued doctoral studies at Washington University, St. Louis, Missouri, and The Ohio State University, 1929-1932. Mrs. Lewis was unable to complete her doctoral program but her scholarly activities earned her an honorary Doctor of Science degree from The Ohio State University in 1979.

Dr. Lewis joined the Home Economics faculty at The Ohio State University in 1941. She served as Director of the Dietary Department at University Hospital 1941-1956 during which time she also organized and directed a dietetic internship master's degree program. Mrs. Lewis relinquished her position as director of the hospital dietary department in 1956 in order to devote more time to teaching responsibilities.

December 9, 1982 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Martha Nelson Lewis (contd)

Innovative educator that she was, Mrs. Lewis began immediately to design an undergraduate dietetics program characterized by integration of clinical with didactic learning experiences. This new Medical Dietetics program was approved in 1962 and was housed in the Department of Preventive Medicine. Ten years later the Millis Commission recognized the coordinated undergraduate curriculum in clinical dietetics as a prototype for the country. For her innovative efforts in dietetic education, Mrs. Lewis was presented the Copher Award, highest honor bestowed by the American Dietetic Association (1968).

Dr. Lewis made a significant contribution to research through balance studies of well infants (1926-1929) and metabolic studies of children with diabetes, celiac disease, epilepsy and malnutrition (1926-1931). During her tenure at The Ohio State University her research related to nutritional aspects of medicine and surgery. Her own diversified list of scholarly publications and the 150 theses written under her direction illustrate her commitment to improving the science of nutrition and application of its principles in the health care setting.

A Martha Nelson Lewis Lecture Fund was established in 1978 with gifts from friends and associates. This endowment fund supports a lecture series on the subject of nutrition.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Marion Llewellyn Pool

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 31, 1982, of Marion Llewellyn Pool, Professor Emeritus in the Department of Physics.

He was educated at the University of Chicago and received his B.S. degree there in 1924 and his Ph.D. degree in 1927.

In 1928, he came to The Ohio State University as an Assistant Professor. He became Associate Professor in 1932 and Professor in 1941.

A prolific research worker, Pool published literally hundreds of papers in the fields of artificial radioactivity, nuclear reactions and nuclear spectroscopy, plasma physics, and reactor physics. He also constructed at OSU one of the first cyclotrons in this country.

After his retirement in 1971, he continued active research work at the Departments of Chemistry and Physics at Western Illinois University on problems of magnetic confinement of fusion plasmas, a subject he was working on at the time of his death.

December 9, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Marion Llewellyn Pool (contd)

Professor Pool was a Fellow of the American Physical Society and of the American Nuclear Society, and a member of the European Physical Society and the American Association of Physics Teachers.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-65

*Synopsis: The reports on contracts, grants, and gifts and the summary for October are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of October 1982, be approved.

Upon motion of Mr. Berry, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR OCTOBER 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	89	\$5,965,402.41
Engineering Experiment Station	26	18,866.00
Ohio Agricultural Research and Development Center	2	24,700.00
		\$6,008,968.41
The Ohio State University Development Fund		
Establishment of Named Funds		
The John J. Gerlach Professorship Fund (Distinguished Teacher and Scholar-- Academic Faculty of Accounting)		\$ 168,750.00
The Wayne G. English Scholarship Fund (Scholarship - College of Administrative Science)		\$ 91,718.75
The Martha G. and Milton Staub Chair for Research in Ophthalmology Fund (Distinguished Researcher in Ophthalmology)		\$ 24,945.38
Ralph L. Bazler Memorial Scholarship (Undergraduate students - College of Agriculture and Home Economics)		\$ 6,136.00
Jacob E. Davis Professorship in Law Fund (College of Law)		\$ 5,237.50
The Harrison Faculty Award for Excellence in Engineering Education (Faculty Award - College of Engineering)		\$ 5,000.00
Change of Name and Description of Named Fund		
From: American Playwrights Theatre Fund		
To: American Playwrights Theatre Scholarship in Playwriting		\$ 8,475.32

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

SUMMARY FOR OCTOBER 1982 (contd)

Report from Presidents Club

Members to date	4,568
1982 members: year to date	109
New members - October 1982	9

New Presidents Club Members - October 1982

Linda A. Fass	George A. Rogers
Lisa Marie Kolibash	Michael S. Sprague
James A. Kreglow	Dean D. Tresch
Dale K. Perdue	Karl F. Volkmar
Anna Marie Plouffe (Mrs. Joseph F.)	



December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Federal Research Contracts/Grants**

\$1,203,609.00 - Department of the Army, Defense Supply Service, Washington, D. C., An Experimental Study of an Ultra-Mobile Vehicle for Off-Road Transportation, Department of Electrical Engineering, ElectroScience Laboratory (R. B. McGhee and K. J. Waldron), 1 October 1982 through 30 September 1983. (Project 762945 - Continuation)

\$350,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Cooperative Agreement Between The Ohio State University and U. S. Agency for International Development for the Improvement of Savings and Credit Services by Rural Financial Institutions in Lesser-Developed Countries, Department of Agricultural Economics and Rural Sociology (D. H. Graham and D. H. Boyne), 24 September 1982 through 23 September 1983. (Project 763301 - New)

\$300,000.00 - Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Advanced SATCOM ECCM Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 1 October 1982 through 30 September 1983. (Project 762948 - Continuation)

\$240,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1982 through 30 September 1984. (Project 760081 - Continuation)

\$177,679.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Stress Corrosion Cracking and Oxidation Characteristics of Boride-Strengthened Microcrystalline Iron and Nickel Based Alloys, Department of Metallurgical Engineering (C. E. Mobley), 1 October 1982 through 30 June 1984. (Project 763166 - Continuation)

\$174,195.00 - Environmental Protection Agency, Washington, D. C., Fate of DNA Damage in Human Fetal Cells, Departments of Radiology and Pharmacology (S. M. D'Ambrosio), 1 October 1982 through 30 September 1984. (Project 763308 - New)

\$141,200.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Feasibility Study for Development of an Expert Computer System for Contract Pricing, Department of Computer and Information Science (B. Chandrasekaran) and Academic Faculty of Accounting (J. F. Dillard), 1 October 1982 through 30 November 1983. (Project 763314 - New)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$110,853.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Seed Vigor Influence on Nitrogen Fixation of Red Field Bean (*Phaseolus vulgaris*), Department of Agronomy (M. B. McDonald), 30 September 1982 through 31 August 1984. (Project 763325 - New)

\$89,410.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1982 through 31 August 1983. (Project 760026 - Continuation)

\$79,969.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, OSU/Ship Docking CIG Simulation, Department of Art Education (C. A. Csurí), 16 December 1981 through 16 September 1983. (Project 761954 - Continuation)

\$78,509.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Preparation of Computer Science Instructors and Development of Computer Science Curricula through Central Ohio Consortium, Department of Computer and Information Science (L. J. White), 1 October 1982 through 30 September 1983. (Project 763306 - New)

\$75,500.00 - National Science Foundation, Washington, D. C., Diffusion Driven Boundary Motion in Alloys, Department of Metallurgical Engineering (P. G. Shewmon and G. Meyrick), 1 February 1983 through 31 January 1984. (Project 762784 - Continuation)

\$71,252.00 - Department of Labor, Employment and Training Administration, Washington, D. C., Characteristics of Business Demand for Newly-Trained or Entry-Level Workers, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1982 through 31 May 1983. (Project 763315 - New)

\$68,500.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant - Administration, Comprehensive Cancer Research Center (D. S. Yohn), 1 July 1982 through 30 June 1983. (Project 763976 - Continuation)

\$66,497.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, The Vertical and Temporal Structure of Suspended Particle Distributions, Department of Engineering Mechanics (K. W. Bedford, V. K. Varadan and V. V. Varadan), 1 October 1982 through 30 September 1983. (Project 763271 - New)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$58,000.00 - Department of Agriculture, Science and Education, Cooperative State Research Service, Arlington, Virginia, A Model System Crop Loss Study: Virus Diseases of Corn--Phase II, Continuation, Department of Plant Pathology (D. T. Gordon), 30 September 1982 through 30 September 1983. (Project 763311 - New)

\$54,277.00 - National Endowment for the Humanities, Washington, D. C., *War and Peace: The Novel as a Total-Experience--Summer Seminar for High School Students*, Department of Slavic and East European Languages and Literatures (F. R. Silbajoris), 1 October 1982 through 30 September 1983. (Project 763321 - New)

\$53,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Microstrip Analysis Techniques, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 1 November 1982 through 31 October 1983. (Project 762478 - Continuation)

\$50,000.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Coherent Electromagnetic Wave Propagation and Scattering in Random Media, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 16 November 1982 through 15 November 1983. (Project 762930 - Continuation)

\$50,000.00 - International Development Cooperation Agency, Agency for International Development, Miami, Florida, An Assessment of Rural Savings Mobilization Possibilities in the Dominican Republic, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 27 September 1982 through 31 December 1983. (Project 763305 - New)

\$49,920.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propeller/Rotor Icing Study, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 1 January 1983 through 31 May 1983. (Project 762399 - Continuation)

\$49,872.00 - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Rockville, Maryland, The Veterinary Drug Experience Reporting Program, Department of Veterinary Clinical Sciences (P. W. Murdick), 27 June 1982 through 26 June 1983. (Project 762689 - Continuation)

\$44,999.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Effects of Atmospheric Water Vapor on Infrared Propagation, Department of Electrical Engineering, ElectroScience Laboratory (R. K. Long and E. K. Damon), 1 December 1982 through 31 May 1983. (Project 762674 - Continuation)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$42,710.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development, and Department of Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1982 through 31 December 1982. (Project 760927 - Continuation)

\$39,723.00 - Department of the Army, Contracting Division, Fort Sheridan, Illinois, Armed Services Vocational Aptitude Battery (ASVAB) Advisory Panel to Review the Quality of ASVAB and Its Promotional Materials, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1982 through 30 September 1983. (Project 763319 - New)

\$39,659.00 - National Aeronautical and Space Administration, Ames Research Center, Moffett Field, California, Discrete Control Modelling of Computer-Aided Control of Strongly Interactive Systems, Department of Industrial and Systems Engineering (R. A. Miller) and Department of Psychology (R. J. Jagacinski), 1 March 1983 through 31 July 1983. (Project 763264 - Continuation)

\$37,978.00 - Environmental Protection Agency, Washington, D. C., Application of Recombinant DNA Technology to Methane Biogenesis, Department of Microbiology (J. N. Reeve), 1 September 1982 through 31 August 1984. (Project 763263 - Continuation)

\$35,000.00 - National Science Foundation, Washington, D. C., Comparative Root Structure of Plants, Department of Botany (R. D. Warmbrodt), 1 November 1981 through 31 October 1983. (Project 762885 - Continuation)

\$30,000.00 - Department of the Navy, Naval Air Station, Pensacola, Florida, Study of a Specialized Medical Instrumentation System/Procedure Designed to Diagnostically Screen Visual/Vestibular Deficits and Defects Within the Naval Aviation Population, Department of Otolaryngology (C. W. Stockwell), 14 September 1982 through 14 September 1983. (Project 763309 - New)

\$30,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Investigation of Truncation Error Associated with Transonic Full Potential Equation and Optimum Redistribution of Grid Points, Department of Mechanical Engineering (S. Nakamura), 1 July 1982 through 30 June 1983. (Project 760964 - Continuation)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$29,987.00 - National Endowment for the Humanities, Washington, D. C., Completion of the Centenary Edition of Nathaniel Hawthorne, Volume XVII, Official Letters from Liverpool, 1853-1857, Volume XX, Miscellaneous Prose and Verse, Department of English (T. M. Woodson), 1 October 1982 through 30 September 1983. (Project 763307 - New)

\$27,450.00 - Department of Education, Office of Special Education and Rehabilitative Services, Washington, D. C., Regular Education Inservice (Comprehensive Vocational Education for All Handicapped Persons: Inservice Support for Transition from Education to Work), The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1982 through 31 May 1983. (Project 762183 - Continuation)

\$25,000.00 - Department of Agriculture, Animal and Plant Health Inspection Service, Washington, D. C., Ohio Plant Pest Survey and Detection Program, Cooperative Extension Service - State Operations (I. W. Deep, D. L. Goleman, and T. L. Jones), 1 October 1982 through 30 September 1983. (Project 763261 - Continuation)

\$25,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 1 October 1982 through 30 June 1983. (Project 760226 - Continuation)

\$24,981.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 21 October 1982 through 30 April 1983. (Project 761608 - Continuation)

\$24,767.00 - Environmental Protection Agency, Washington, D. C., Disinfection of *Giardia lamblia* Cysts with Chlorine, Chlorine Dioxide and Ozone, Department of Civil Engineering (A. J. Rubin), 27 October 1982 through 27 April 1983. (Project 762487 - Continuation)

\$24,705.00 - Department of Education, Office of Special Education, Washington, D. C., Handicapped Pre-Service Personnel Preparation--Continuation Proposal, Third Year, School of Health, Physical Education and Recreation (W. F. Ersing), 1 October 1982 through 31 May 1983. (Project 762175 - Continuation)

\$22,235.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax and Thoracic Simulator, Department of Mechanical Engineering (D. A. Guenther), 30 August 1982 through 31 December 1982. (Project 762594 - Continuation)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$19,832.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Mechanical Control and Energetics of Muscle Contraction, Department of Physiology (E. Bozler), 30 September 1982 through 31 August 1983. (Project 760924 - Continuation)

\$18,300.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Dean's Grant, Academic Faculty for Exceptional Children (P. A. Connard), 1 October 1982 through 31 May 1983. (Project 762170 - Continuation)

\$17,736.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunobiology of Boronated Monoclonal Antibodies, Department of Pathology (R. F. Barth and C. W. Johnson), 1 October 1982 through 30 September 1983. (Project 762893 - Continuation)

\$12,330.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Color and Brightness Channels of the Visual System, Division of Sensory Biophysics (C. R. Ingling, Jr.), 30 September 1981 through 28 February 1983. (Project 761926 - Continuation)

\$11,590.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Development of a Field-Based Preparation Program in Special Education Administration and Supervision, Academic Faculty for Exceptional Children (R. H. Swassing), 1 October 1982 through 31 May 1983. (Project 763165 - Continuation)

\$11,395.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., The Ohio State University Preservice Training Project for Special Education Personnel, Academic Faculty for Exceptional Children (P. A. Connard), 1 October 1982 through 31 May 1983. (Project 762853 - Continuation)

\$10,780.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Steric Course of Nucleic Acid Methylation by Carcinogens, Department of Chemistry (H. G. Floss and T. M. Zydowsky), 1 October 1982 through 31 May 1983. (Project 763317 - New)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$9,760.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Special Education Component in University Affiliated Facility, Nisonger Center for Mental Retardation (D. C. Cavin), 1 October 1982 through 31 May 1983. (Project 762209 - Continuation)

\$8,400.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., An Award for Fellowships for 1982-83 Under the Graduate and Professional Opportunities Program, Title IX (Part B) of the Higher Education Act of 1965, as Amended, Graduate School - Administration and College of Education - Administration (A. S. Pruitt), 1 October 1982 through 31 August 1983. (Project 763113 - Continuation)

\$7,930.00 - Department of Education, Office of Special Education and Rehabilitative Services, Office of Special Education, Washington, D. C., Inservice Training for School Administrators, Academic Faculty for Exceptional Children (J. O. Cooper), 1 October 1982 through 31 May 1983. (Project 762139 - Continuation)

\$6,100.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., The Preservice and Inservice Training of Teachers of the Hearing Impaired in Microcomputer and Computer Graphics Techniques as an Instructional Tool in Grades K-12, Academic Faculty for Exceptional Children (S. Rose), and Department of Engineering Graphics (M. B. Waldron), 1 October 1982 through 31 May 1983. (Project 763154 - Continuation)

\$3,000.00 - National Endowment for the Arts, Washington, D. C., Artists in Residence Program, Department of Art Education (K. A. Marantz and R. C. Tauber), 1 October 1982 through 30 June 1983. (Project 763324 - New)

\$2,135.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Ohio State University Pre-Service/Inservice Training Project for Special Education Personnel: Optacon Inservice Workshop, Academic Faculty for Exceptional Children (M. E. Ward), 1 October 1982 through 31 May 1983. (Project 762171 - Continuation)

\$2,000.00 - National Endowment for the Arts, Washington, D. C., Visiting Artists in Columbus - 82/83, Department of Photography and Cinema (J. R. Green), 1 July 1982 through 30 June 1983. (Project 763313 - New)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS**

**\$4,237,724.00**





December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$688,683.00 - National Training Fund of the Sheet Metal and Air Conditioning Industry, Washington, D. C., National Training Fund University Center for the Sheet Metal and Air Conditioning Industry, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1983 through 31 December 1985. (Project 763337 - Continuation)

\$277,759.00 - National Association of Regulatory Utility Commissioners, Washington, D. C., NARUC State Member Support of the NRRI through Regularized State-Provided Contributions, National Regulatory Research Institute (D. N. Jones), 1 July 1982 through 30 June 1983. (Project 763289 - New)

\$92,569.00 - University of Michigan, Ann Arbor, Michigan, Genes on Mitochondrial DNA, Department of Genetics (P. S. Perlman), 1 September 1982 through 31 August 1983. (Project 761294 - Continuation)

\$80,000.00 - Forsvarets Materielverk, Stockholm, Sweden, Computation of the Performance of an Element Antenna Array Mounted on an Aircraft, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 7 October 1982 through 6 June 1983. (Project 763316 - New)

\$45,466.00 - Teledyne Wah Chang Albany, Albany, Oregon, Nodular Corrosion of Zircalloys in High Temperature Steam, Department of Metallurgical Engineering (D. D. Macdonald), 1 October 1982 through 30 September 1983. (Project 763326 - Continuation)

\$39,516.00 - Rockwell International, Orange, California, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 8 October 1982 through 7 March 1983. (Project 763336 - New)

\$30,726.40 - Burroughs Wellcome Co., Research Triangle Park, North Carolina, Acute Dose Tolerance of BW 325U vs. Placebo in Normal Male Volunteers, Department of Pharmacology (J. R. Bianchine), 1 March 1982 through indefinite. (Project 763104 - Continuation)

\$30,650.00 - Council on Legal Education Opportunity, Washington, D. C., 1982 Summer Institute, College of Law (L. Pernell), 20 June 1982 through 30 October 1982. (Project 763202 - New)

\$28,950.00 - Pittsburg State University, Pittsburg, Kansas, and Florida International University, Miami, Florida, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor) 1 September 1982 through 31 August 1983. (Project 763245 - Continuation)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$25,891.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Multicenter Preterm Birth Prevention Trial, Department of Obstetrics and Gynecology (J. D. Iams), 1 January 1983 through 30 June 1983. (Project 763334 - New)

\$23,745.00 - Southeastern Ohio Technical Education Consortium, Hocking Technical College, Nelsonville, Ohio, Cooperative Agreement Between the Southeastern Ohio Technical Education Consortium and The Ohio State University Research Foundation, Cooperative Extension Service - State Operations (C. J. Cunningham) and Cooperative Extension Service - Field Operations (L. G. Sanford and D. P. Miller), 1 September 1982 through 30 June 1983. (Project 763318 - New)

\$23,152.39 - Ives Laboratories, Inc., New York, New York, An Open-Design Dose Proportionality Study of Surmontil® in Healthy Adult Volunteers, Department of Pharmacology (J. R. Bianchine), 1 March 1982 through indefinite. (Project 763104 - Continuation)

\$18,951.00 - National Cash Register, Dayton, Ohio, Development of a Criterion Referenced Training Course for NCR Field Engineers: Model 6325 Tape Drive Unit (Phase III), Academic Faculty of Vocational-Technical Education (J. E. Sage) and College of Education - Administration (J. J. Buffer), 1 September 1982 through 1 July 1983. (Project 763339 - Continuation)

\$18,907.35 - Adria, Inc., Columbus, Ohio, Comparison of the Bioavailability of Indoprofen 100 MG Capsules Produced by Two Different Manufacturing Processes, Department of Pharmacology (J. R. Bianchine), 1 March 1982 through indefinite. (Project 763104 - Continuation)

\$16,674.88 - E. I. duPont de Nemours & Company, Wilmington, Delaware, Bioavailability/Pharmacokinetic Study of Oral Nalbuphine, Aspirin, and Nalbuphine/Aspirin Tablets (A-50), Department of Pharmacology (J. R. Bianchine), 1 March 1982 through indefinite. (Project 763104 - Continuation)

\$16,000.00 - Seven Members of the National Alliance, National Alliance of Post-secondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 30 June 1983. (Project 763137 - Continuation)

\$15,190.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Furazolidone-Cardiomyopathy in Turkeys, Department of Veterinary Physiology and Pharmacology (R. L. Hamlin), 1 October 1982 through 30 September 1983. (Project 763322 - New)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$13,932.00 - Council on International Educational Exchange, New York, New York, Japanese English Teachers Workshop, Department of English (B. S. Sutton), 1 April 1982 through 30 June 1983. (Project 763092 - Continuation)

\$13,900.00 - Utah State Office of Education, Salt Lake City, Utah, An Examination of the Management and Organizational Structure of the Utah State Board of Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 23 August 1982 through 31 October 1983. (Project 763332 - New)

\$12,000.00 - The Arthritis Foundation, Columbus, Ohio, Immunoregulation and Autoimmunity, Department of Medicine (R. L. Whisler), 1 April 1982 through 31 March 1983. (Project 760620 - Continuation)

\$10,710.00 - DNA Clinical Research Corporation, Inc., Columbus, Ohio, Strand Break Repair of DNA in Human Peripheral Lymphocytes, Department of Radiology (R. E. Stephens and P. D. Lipetz), 10 October 1982 through 31 December 1982. (Project 762992 - Continuation)

\$10,420.00 - The Upjohn Company, Kalamazoo, Michigan, Solu-Medrol in Presumptive and Definite Septic Shock Protocol, Department of Medicine (J. F. Plouffe), 1 August 1982 through 31 July 1983. (Project 763181 - Continuation)

\$10,275.65 - Pfizer, Inc., Groton, Connecticut, Double-Blind Study of Sustained Release Trimazosin and Placebo in Hypertension, Department of Pharmacology (J. R. Bianchine), 1 March 1982 through indefinite. (Project 763104 - Continuation)

\$10,000.00 - Morris Animal Foundation, Englewood, Colorado, The Epidemiology and Control of Strongylus Vulgatis the Major Cause of Colic in Horses, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Clinical Sciences (A. A. Gabel), 1 August 1980 through 31 July 1983. (Project 762323 - Continuation)

\$10,000.00 - Ohio Delta Kappa, Bloomington, Indiana, Phi Delta Kappa Commission for Developing Public Confidence in Schools, Academic Faculty of Educational Foundations and Research (W. W. Wayson), 1 October 1982 through 30 April 1984. (Project 763320 - New)

\$9,890.00 - University of Minnesota, St. Paul, Minnesota, Self-Image in Adolescence: Coping with Change, Department of Psychology (D. A. Blyth), 1 July 1982 through 30 April 1983. (Project 763312 - New)

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$9,441.74 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, A Study to Determine the Safety and Efficacy of Multiple Oral Doses of Rythmatine (Meobentine Sulfate) in Patients with Stable Ventricular Arrhythmias, Department of Medicine (S. F. Schaal), 1 September 1982 through 30 June 1983. (Project 763335 - New)

\$7,700.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, "Do Steroid Hormones or Tumor Promoters Cause Secretion of Tumor Growth Factors?", College of Pharmacy (L. J. Wallace), 1 October 1982 through 30 September 1983. (Project 763328 - New)

\$1,530.00 - Insulation Industry's National Apprenticeship and Training Fund, Washington, D. C., Instructor Training Workshop--Insulation Industry's National Apprenticeship and Training Fund, The National Center for Research in Vocational Education (R. E. Taylor), 4 September 1982 through 31 October 1982. (Project 763250 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,592,630.41**

**ENGINEERING EXPERIMENT STATION**

**Industry and Other Sponsored Research and Development**

\$18,866.00 - Twenty-five industrial firms for 26 development projects under the direction of one engineering department and one research area.

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contract/Grant**

\$14,700.00 - Michigan State University, East Lansing, Michigan, support of IR-4 Satellite Laboratory, Department of Entomology, July 1, 1982 to January 31, 1983. (Subcontract No. 80-CRSR-2-0506)

**Gift of \$5,000.00 or More**

\$10,000.00 Eli Lilly and Company, Indianapolis, Indiana

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

- \$100,000.00 Ola Moore, Marion, Ohio, for John Moore Memorial Loan Fund.
- \$ 70,000.00 General Motors Foundation, Detroit, Michigan: \$13,000.00 for Mechanical Engineering Campaign; \$11,000.00 for Electrical Engineering Campaign; \$8,000.00 for Industrial Systems Engineering Campaign; \$7,000.00 for Chemical Engineering Campaign; \$6,000.00 for Engineering College Special Fund; \$6,000.00 for Mechanical Engineering Coal Combustion Fund; \$6,000.00 for Welding Engineering Campaign; \$5,000.00 for Engineering Graphics Engineering Campaign; \$5,000.00 for Metallurgical Engineering Campaign; \$2,000.00 for Women Engineers--Engineering Administration; and \$1,000.00 for Affirmative Action Program in Engineering.
- \$ 54,900.00 Dorsey Labs, Lincoln, Nebraska: \$38,900.00 for Merck Research Fund and \$16,000.00 for Natural Products Chemistry and Pharmacognosy Fund.
- \$ 37,789.82 Pfizer, Inc., Groton, Connecticut, for Infectious Disease Research Fund.
- \$ 30,000.00 Camille Botte, Columbus, Ohio, for OSU National Merit Scholarship Fund.
- \$ 25,000.00 The Jackson Building L & S, Jackson, Ohio, for Ohio Lions Club Blindness Research Fund.
- \$ 25,000.00 Ohio Lions Eye Foundation, Columbus, Ohio: \$4,110.00 for Ohio Lions (Dr. Schmidt); \$3,845.00 for Ohio Lions (Dr. Good); \$3,510.00 for Lions Research (Dr. Jones); \$3,510.00 for Ohio Lions (Dr. Hill); \$3,305.00 for Ohio Lions (Dr. Kingsmith); \$2,780.00 for Ohio Lions (Dr. Daum); \$2,290.00 for Lions-1977 (Dr. Schoessler); and \$1,650.00 for Ohio Lions Research (Dr. Fry).
- \$ 21,973.00 Laborer's District Council, Columbus, Ohio, for Peter Fosco/Laborer's District Council of Ohio.
- \$ 20,111.00 Sterling-Winthrop Research Fund, Rensselaer, New York, for Cardiovascular Pharmacology Fund.
- \$ 18,556.50 Helen Crane, Columbus, Ohio, for OSU Ophthalmology Center Fund.

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 15,000.00 American Electric Power Company, Columbus, Ohio, for Lamme Power System Laboratory.
- \$ 15,000.00 University Otolaryngologists, Inc., Columbus, Ohio, for Otology Development Fund.
- \$ 14,633.77 University Eye Surgeons, Inc., Columbus, Ohio: \$14,543.77 for Eye Bank Fund and \$90.00 for Ophthalmology Photography Fund.
- \$ 13,700.00 F. C. Gloeckner Fund, New York, New York: \$8,500.00 for Ohio Florist Association Special Fund and \$5,200.00 for Horticulture Support Fund.
- \$ 13,500.00 American Foundation for Pharmaceutical Education, Fair Lawn, New Jersey, for American Foundation for Pharmaceutical Education Fellowship Fund.
- \$ 12,200.00 National Steel Corporation, Pittsburgh, Pennsylvania, for National Steel Fellowship in Metallurgical Engineering.
- \$ 10,000.00 Governor J. A. Rhodes Golf Classic, Dublin, Ohio, for Billy Amicon Memorial Fund.
- \$ 9,300.00 Gynecic Research/Education, Columbus, Ohio, for Department of Pathology Educational and Research Discretionary Fund.
- \$ 8,333.00 H. J. Heinz Company Foundation, Pittsburgh, Pennsylvania, for Professorship in Plant Protection.
- \$ 8,212.00 Eastman Kodak Company, Rochester, New York, for Kodak Fellows Program.
- \$ 6,750.00 Farmland Industries, Inc., Kansas City, Missouri, for Special NC-151 Fund.
- \$ 6,000.00 Schottenstein Company, Columbus, Ohio, for Graduate School Minority Recruiting Program Fund.
- \$ 5,500.00 Milk Marketing, Columbus, Ohio, for Endowed Program Fund in Cooperative Business Management.

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 5,185.72 George Johnson, Rochester, New York, for OSU National Merit Scholarship Fund.
- \$ 5,100.00 Exxon Education Foundation, New York, New York: \$3,000.00 for Law Discretionary Fund; \$1,500.00 for Humanities Support Fund; \$375.00 undesignated; \$150.00 for Friends of WOSU; and \$75.00 for Math and Physical Science Support Fund.
- \$ 5,000.00 Duriron Company, Inc., Dayton, Ohio, for Duriron Company Metallurgical Engineering Scholarship Fund.

Gift-in-Kind

- \$ 12,153.00 Frank Bowling, Circleville, Ohio: Tractor equipped with spray equipment.

Establishment of Named Funds

**The John J. Gerlach Professorship Fund**

The John J. Gerlach Professorship Fund was established December 9, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of John J. Gerlach, B.S.Bus. Adm. '23, M.A. '23.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the work of a distinguished teacher and scholar of accounting in the College of Administrative Science. Appointment to the Gerlach Professorship will be recommended by the Dean of the College of Administrative Science to the Vice President for Academic Affairs and Provost of the University and approved by the Board of Trustees.

Should the need for this fund cease to exist or so diminish as to provide insufficient funds to continue the endowed professorship, then the income is to be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then responsible for curricula in the College of Administrative Science.

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Wayne G. English Scholarship Fund**

The Wayne G. English Scholarship Fund was established December 9, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Wayne G. English, B.S.Bus.Adm. '43, of Washington, D. C.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students in the College of Administrative Science who have demonstrated academic merit and need for financial assistance. Other factors being equal, preference in award of scholarships should be given to students in accounting or finance.

The selection of the recipient is to be made upon recommendation of the College of Administrative Science Scholarship Committee, in cooperation with the Dean of the College of Administrative Science.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for management education.

**The Martha G. and Milton Staub Chair for Research in Ophthalmology Fund**

The Martha G. and Milton Staub Chair for Research in Ophthalmology Fund was established December 9, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Martha G. and Milton Staub, B.A. '29, of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the work of a distinguished researcher in ophthalmology. Appointment to the Martha G. and Milton Staub Chair for Research in Ophthalmology will be recommended by the Chairman of the Department of Ophthalmology and approved by the Dean of the College of Medicine, the Provost, and the Board of Trustees.



December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Ralph L. Bazler Memorial Scholarship**

The Ralph L. Bazler Memorial Scholarship was established December 9, 1982, by the Board of Trustees of The Ohio State University with gifts from family and friends to The Ohio State University in memory of Ralph L. Bazler.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a scholarship for a student who best exemplifies academic excellence and potential contribution to the agricultural industry. First preference will be given to a junior and then a sophomore member of Beta Chapter, Alpha Gamma Rho Fraternity, who is enrolled in one of the four-year curricula administered by the College of Agriculture and Home Economics. Selection of the recipient will be made by the University Scholarship Committee on Student Financial Aids upon the recommendation of a selection committee appointed by the Dean of the College of Agriculture and Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever in the College of Agriculture and Home Economics as determined by the Board of Trustees, with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics.

**Jacob E. Davis Professorship in Law Fund**

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Professorships," which was subsequently modified March 3, 1972, and renamed "Endowed Professorships" and was modified further on May 5, 1978; and

WHEREAS Jacob E. Davis II wishes to establish an Endowed Professorship in the College of Law to honor his father Jacob E. Davis, a graduate and former Trustee of this University; and

WHEREAS gifts have been received by the University for this purpose and future gifts are anticipated; and

WHEREAS in 1977 Jacob E. Davis II established a life insurance policy with the University named as owner and beneficiary with the purpose of funding the professorship; and

WHEREAS the minimum sum needed to establish an Endowed Professorship in 1977 was \$150,000; and

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Jacob E. Davis Professorship in Law Fund (contd)**

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates; and

WHEREAS at such time as the fund reaches a total of \$150,000, the annual income shall be used to provide support for the work of a distinguished scholar and teacher in the College of Law with appointment to the Jacob E. Davis Professorship to be recommended to the Provost by the Dean of the College of Law, for approval by the Board of Trustees; and

WHEREAS there will be a period until this fund reaches the \$150,000 level necessary to endow the professorship, the income from the fund will, until that time, be added to the principal of the fund; and

WHEREAS should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the College of Law:

**NOW THEREFORE**

**BE IT RESOLVED**, That the "Jacob E. Davis Professorship in Law Fund" be established in accordance with the wishes of the donors.

**The Harrison Faculty Award for Excellence in Engineering Education**

The Harrison Faculty Award for Excellence in Engineering Education was established December 9, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University from Doris A. and Stanley E. Harrison, B.E.E. '58.

The award will be made to an individual who is in the early or mid-part of his or her career, who is a faculty member in engineering or architecture of the College of Engineering, and who has distinguished himself or herself through a contribution to the College of Engineering or society, as described below. The award will be based on excellence in teaching and the qualitative aspects of teaching; exceptional fundamental or applied research (either in scope or originality) in one or more areas of endeavor ordinarily carried out in the College of Engineering; or a single or unique contribution to engineering or architectural concepts, which is responsive to or has an impact on society as a whole. As a general rule, the award will be made to an individual (except under unique circumstances in any year that suggest a team should receive the award).

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Harrison Faculty Award for Excellence in Engineering Education (contd)**

All income earned through the investment of specific fund monies, including all contributions thereto, will be accumulated and credited to the fund principal until such time as one-half of the accumulated income of the fund will support an award of at least \$2,000, plus associated expenses for an appropriate plaque or certificate to accompany the award. Upon such times as one-half of the accumulated income of the fund equals \$2,000 or more (plus expenses), but no more often than annually, the award will be made of an amount equal to one-half of such income, with the other one-half accumulated and credited to the fund principal. All gifts of the fund shall be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as may be deemed appropriate.

Nominations for the award will be made by faculty members of the College of Engineering, and the final selection of the recipient of the award will be made by a committee consisting of the Dean of the College of Engineering, one or more senior representatives from the faculty of the College of Engineering, a representative from the private sector whose business involves engineering, and one undergraduate member of the College of Engineering student body.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for engineering education.

**Change of Name and Description of Named Fund**

**American Playwrights Theatre Scholarship in Playwriting**

The American Playwrights Theatre Scholarship in Playwriting was established December 9, 1982, with a gift to The Ohio State University Development Fund from American Playwrights Theatre, Inc.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students who have demonstrated exceptional talent and ability in dramatic writing. The selection of the recipient is to be made upon the recommendation of the Chairman of the Department of Theatre and the Dean of the College of the Arts.

December 9, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Change of Name and Description of Named Fund (contd)

**American Playwrights Theatre Scholarship in Playwriting (contd)**

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for theatre education and training.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS**

**REGENTS ENERGY MODIFICATION PROGRAM, PHASE V**

Resolution No. 83-66

*Synopsis: Authorization to employ an architectural/engineering firm and request construction bids for Phase V of the Regents Energy Modification Program is proposed.*

WHEREAS the Regents Energy Modification Program, Phase V, will provide needed energy modifications to Drees Laboratory, the Health Sciences Library, Hitchcock Hall, the Hospitals Clinic, and the Veterinary Hospital, which modifications include heat recovery from exhaust air, replacement of a gas-fired absorption chiller with a high-efficiency electric-drive chiller, temperature controls, and other improvements to increase the efficiency of energy use; and

WHEREAS the cost of these projects will total \$492,450, with \$377,560 being provided from the Ohio Board of Regents, \$20,500 being provided from Federal funds, and \$94,390 being provided from University funds; and

WHEREAS the average payback for all projects is 3.4 years, with an effective payback for the University's share of .65 years:

**NOW THEREFORE**

**BE IT RESOLVED**, That the Vice President for Business and Finance be authorized to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services, and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

December 9, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**REGENTS ENERGY MODIFICATION PROGRAM, PHASE V (contd)**

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contract, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-67

*Synopsis: Approval of plans and specifications for the following project is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**POULTRY ADMINISTRATION BUILDING  
PERCHLORIC ACID FUME HOOD**

Project: Remove existing hazardous perchloric fume hood and exhaust and replace with new hood and safe exhaust system.

Funding: Budget Account 210134 (New Program Funds No. 3071)

Estimated Project Cost: \$69,000.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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December 9, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-68

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**ELECTRICAL DISTRIBUTION IMPROVEMENTS, PROJECT A (SUBSTATION B)  
ELECTRICAL DISTRIBUTION IMPROVEMENTS, PROJECT B (RESEARCH CENTER)**

Description: Substation B - Install new 5KV switchgear to replace the obsolete equipment which is no longer adequate.

Research Center - Extend the main campus 15KV electrical distribution system to the Research Center buildings to improve the electrical service and reduce energy costs.

Electrical Contract

Date Received:	November 3, 1982
No. of Bids:	11
Low Bid:	\$346,030.00*
High Bid:	\$607,966.00*
Estimate of Cost:	\$608,200.00*
Awarded to:	Jess Howard Electric Co., Blacklick, Ohio
Total Contract:	\$346,030.00*
Total Contingency Allowance:	\$ 24,255.23 which is 7 per cent of contract
Total Project Cost:	\$375,000.00*
Funding:	H.B. 552, Line Item 315-172

\* Recommended alternates reflected in these figures.

December 9, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**LABORATORY ANIMAL CENTER - MODIFICATIONS TO  
CHILLED WATER SYSTEMS BUILDINGS NOS. 2 AND 3**

Description: Replace present gas-fired absorption chillers with more energy efficient systems. Present chillers are high energy users, have high maintenance, and most repair parts are no longer available.

**Mechanical Contract**

Date Received:	October 19, 1982
No. of Bids:	7
Low Bid:	\$ 62,215.00*
High Bid:	\$ 70,450.00*
Estimate of Cost:	\$ 78,200.00*
Awarded to:	Radico, Inc., Columbus, Ohio

**Electrical Contract**

Date Received:	October 19, 1982
No. of Bids:	8
Low Bid:	\$ 9,742.00*
High Bid:	\$ 13,065.00*
Estimate of Cost:	\$ 15,800.00*
Awarded to:	Frush & Homan, Inc., Columbus, Ohio

Total All Contracts: \$ 71,957.00\*

Total Contingency Allowance: \$ 5,337.36 which is 7 per cent of contract

Total Project Cost: \$ 80,000.00\*

Funding: Local Budget Account 210134

\* Recommended alternates reflected in these figures.

December 9, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**THE OHIO STATE UNIVERSITY HOSPITALS SELF-INSURANCE AND  
INDEMNIFICATION PROGRAM**

Resolution No. 83-69

*Synopsis: Purchase of \$50,000,000/\$50,000,000 Excess Comprehensive General Liability and Hospital Professional Liability Insurance is recommended.*

WHEREAS the Board of Trustees on December 15, 1976 authorized the establishment of a self-insured hospital professional liability program, including an indemnification and hold-harmless agreement for those hospital personnel formerly insured by the Ohio Medical Professional Liability Underwriting Association's policies; and

WHEREAS the current limits of the self-insured program are \$4,000,000 per occurrence and \$6,000,000 annual aggregate, and the Self-Insurance and Indemnification Committee has annually reviewed these limits and considered the feasibility of purchasing excess liability insurance; and

WHEREAS in March, 1982, the committee's actuary, The Wyatt Company, again suggested the possibility of increasing the liability limits of the program by purchasing commercial excess liability insurance; and

WHEREAS proposals for such coverage were solicited and were received from eight prospective carriers, the lowest and best of these being presented to the University Hospitals Board and its Finance Committee; and

WHEREAS on October 26, 1982 the University Hospitals Board supported the purchase of \$50,000,000 per occurrence and \$50,000,000 annual aggregate excess commercial comprehensive general and professional liability insurance; and

WHEREAS the members of The Ohio State University Hospitals Self-Insurance and Indemnification Committee unanimously recommended the purchase of \$50,000,000/\$50,000,000 excess liability insurance at an annual premium of \$111,250, with the premium to be paid from the self-insurance fund:



December 9, 1982 meeting, Board of Trustees

**THE OHIO STATE UNIVERSITY HOSPITALS SELF-INSURANCE AND  
INDEMNIFICATION PROGRAM (contd)**

NOW THEREFORE

BE IT RESOLVED, That \$50,000,000/\$50,000,000 of excess liability insurance be purchased effective December 9, 1982 and that the \$111,250 premium be funded from the self-insurance fund held by BancOhio National Bank as trustee; and

BE IT FURTHER RESOLVED, That said coverage shall continue in effect until changed by further action of this Board.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**AFFIRMATIVE ACTION - PRESIDENT EDWARD H. JENNINGS**

President Jennings made the following statement:

Part of the essential mission of a university is to ensure that all the talent available to society is developed to its full potential. In my experience, I have found that it is not at all unusual to find the most talented and qualified students, faculty, staff, and administrators among the ranks of women, minorities, and other groups that have been excluded from full participation in society in the past. It is my goal, and it is the commitment of The Ohio State University, to promote the principles of equal opportunity and affirmative action as an integral component of every aspect of this institution.

Unfortunately, equal opportunity and affirmative action are too often viewed as merely obligations of law and regulation. There is more than the force of law behind Ohio State's commitment. This is a question of right and wrong, and our commitment is based on the ethical and moral obligation of a university in society to take a leadership role in advancing these principles.

Specifically, it is our policy at Ohio State, both traditionally and currently, that discrimination against any individual for reasons of race, color, creed, religion, national origin, sex, age, handicap, or Vietnam-era veteran status is prohibited. We will continue to actively promote equal opportunity in admissions, educational programs, employment, and all University activities through a positive and forceful affirmative action program.

Although laws and regulations (such as Title IX of the Education Amendments of 1972 prohibiting sex discrimination, Section 504 of the Rehabilitation Act of 1973 prohibiting discrimination on the basis of handicap, Title VI and Title VII of the Civil Rights Act of 1964, and Executive Order 11246, as amended), exist to allow enforcement of such principles, I want to re-emphasize that every individual and especially every manager at Ohio State is obliged to act not only in

December 9, 1982 meeting, Board of Trustees

**AFFIRMATIVE ACTION (contd)**

President Jennings' statement (contd):

accordance with federal law, but also in accordance with the positive spirit of this University's stated goals. Thus, employment decisions, including recruitment, hiring, transfers, layoffs, promotions, and evaluations of managers' and supervisors' success, must be designed to promote the principles of equal opportunity.

We must openly recognize that past practices may not have provided full opportunities for all individuals to compete equally. Traditional criteria on which judgments have been made have often failed to measure adequately the potential of persons who have not been the beneficiaries of all society's privileges and opportunities.

While our commitment flows from the top and the Office of Affirmative Action is designated as an arm of the Office of the President, the daily responsibility for carrying out this obligation rests with every faculty member and administrator, every supervisor and manager, and every employee of Ohio State. Affirmative action in employment is sound management. It makes full use of all our resources. In a university, more than any other of society's institutions, diversity must be valued, appreciated, and encouraged to flourish.

Affirmative action in our educational programs is equally important, especially in regard to the role higher education plays in providing individuals with the opportunities to compete on an equal footing in the future, and in developing all of society's human resources to the fullest extent possible.

It is my belief, as was pointed out in the report of the Commission on Women and Minorities, that awareness and articulation of this commitment is one positive step that we can take as an institution toward achieving our goals. More than voicing our concern, however, we must take action to achieve our goals.

I place the full power of the presidency of this institution behind our continuing commitment to affirmative action. The Ohio State University will move forward under these principles because it is our inherent obligation to do all we can to seek the real goal of equal opportunity for all people.

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**HOLIDAY BOWL TRIP - PRESIDENT EDWARD H. JENNINGS**

President Jennings made the following statement:

I would like to also make a comment, Mr. Chairman. As you know, Ohio State has been offered the privilege of our football team being invited to San Diego to take part in the Holiday Bowl, and I think it is very important to recognize that representation of the University is expected and, of course, appropriate whenever

December 9, 1982 meeting, Board of Trustees

**HOLIDAY BOWL TRIP (contd)**

President Jennings' statement (contd):

and wherever the football team plays a game. In that regard the Holiday Bowl trip is a business trip like any other, and operates consistent with our standard policies on business travel. Of course a primary advantage of the trip is maintaining and enhancing contacts with our alumni. We have more than 8,000 alumni in the southern California area, and I would estimate the Holiday Bowl will be the largest alumni meeting of the entire year, perhaps of the entire decade.

The funds to pay for the official representatives come both from the Bowl receipts and from unrestricted gifts to the University. This is in many ways a fund-raising activity for Ohio State's representatives, both in developing goodwill and in generating immediate donations and long-term potential to benefit the continued academic excellence of The Ohio State University.

I might add that we are also very proud to have a football team that generates such desirable invitations and makes these opportunities possible for The Ohio State University and for the State of Ohio.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-70

RESOLVED, That the report on the University's Investment Portfolio, dated November 19, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, February 4, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-SIXTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 4, 1983

The Board of Trustees met at its regular monthly meeting on Friday, February 4, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J. Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

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February 4, 1983 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

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The meeting of the Board of Trustees reconvened at 1:30 p.m.

Mr. Smith presented the following resolution:

**EXPRESSION OF APPRECIATION TO WILLIAM J. NAPIER,  
SPECIAL ASSISTANT TO THE PRESIDENT FOR STATE RELATIONS**

Resolution No. 83-71

WHEREAS Dr. William J. Napier has served the University in several major positions during the past five and a half years; and

WHEREAS in these positions, Bill Napier has served under two presidents of the University and one vice president; and

WHEREAS a key responsibility performed by Bill for the past several years has been to represent the interests, concerns and needs of The Ohio State University in the Ohio Legislature and executive offices of the state; and

WHEREAS in so doing, he has demonstrated a special understanding of, affection for, and long-term commitment to this University as well as higher education in general; and

WHEREAS Dr. Napier has been invited to join the administration of incoming governor Richard Celeste as Assistant Director of the Department of Natural Resources; and

WHEREAS he has requested a leave of absence from his University responsibilities in order to take advantage of that special opportunity; and

WHEREAS The Ohio State University and its faculty, staff, students and public constituencies are deeply indebted to Bill Napier and only reluctantly accept his request for leave:

NOW THEREFORE

BE IT RESOLVED, That William J. Napier be recognized, thanked and praised for his able and faithful service to The Ohio State University; and

BE IT FURTHER RESOLVED, That this Board and President Jennings wish Bill every success in this undertaking, knowing that his achievements will be numerous; and we sincerely hope that he will choose to return to Ohio State upon completion of the leave of absence and any extensions which may be granted.

Upon motion of Mr. Smith, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous voice vote.

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February 4, 1983 meeting, Board of Trustees

Mr. Berry presented the following resolution:

**EXPRESSION OF APPRECIATION TO WILLIAM R. NESTER**

Resolution No. 83-72

WHEREAS Dr. William R. Nester joined The Ohio State University in August, 1978 as Vice President for Student Services and Professor in the Academic Faculty of Special Services; and

WHEREAS the Office of Student Services has benefited since that time from Dr. Nester's capable and exemplary leadership in the discharge of its duties and responsibilities, which include among other diverse elements the Athletic Department, the University Health Service and the Office of Disability Services; and

WHEREAS Dr. Nester has received the distinct honor of being selected to become the eighth President of Kearney State College in Kearney, Nebraska, on or about March 1, 1983:

NOW THEREFORE

BE IT RESOLVED, That the thanks, recognition and deep appreciation of this Board and the University administration be expressed to Dr. Nester for his outstanding contribution to The Ohio State University during the last four and a half years; and

BE IT FURTHER RESOLVED, That this Board offers to Dr. Nester and his family its sincere congratulations and best wishes for every success as he prepares to undertake his new responsibilities in the Kearney State presidency.

Upon motion of Mr. Berry, seconded by Mr. Hilliker, the foregoing resolution was adopted by unanimous voice vote.

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Mrs. Bowser presented the following resolution:

**TRIBUTE TO JOHN M. STACKHOUSE**

Resolution No. 83-73

WHEREAS John M. Stackhouse, Director of the Ohio Department of Agriculture, has served with honor and distinction as a member of the Ohio Agricultural Research and Development Center Board of Control for over 15 years, including Co-Chairman of the Agricultural Affairs Committee, The Ohio State University Board of Trustees, since March 1982; and

WHEREAS John M. Stackhouse has devoted many years of dedicated service to Ohio agriculture, the Ohio Agricultural Research and Development Center and The Ohio State University; and

WHEREAS The Ohio State University Board of Trustees wishes to express its deep appreciation to John M. Stackhouse on this occasion following the completion of his service on the Board of Control:

February 4, 1983 meeting, Board of Trustees

TRIBUTE TO JOHN M. STACKHOUSE (contd)

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University Board of Trustees hereby requests the College of Agriculture and Home Economics to prepare an appropriate plaque denoting appreciation to John M. Stackhouse for his many years of outstanding leadership, service and dedication to The Ohio State University and the Ohio Agricultural Research and Development Center, and that this plaque be displayed in a prominent location at the Ohio Agricultural Research and Development Center.

Upon motion of Mrs. Bowser, seconded by Mr. Berry, the foregoing resolution was adopted by unanimous voice vote.

Mr. Stackhouse:

Thank you very much. I appreciate this more than words can express. Let me say that it was a lot of fun working with the folks at the University and with the folks in Agriculture. Thank you again.

In Appreciation  
~to~  
**John M. Stackhouse**  
for outstanding leadership, service and dedication  
to  
the Ohio Agricultural Research and Development Center  
and  
The Ohio State University  
as a member of  
the Board of Control of the Ohio Agricultural Research  
and Development Center  
1963-1972 and 1975-1982  
and as  
Director of the Ohio Department of Agriculture  
1963-1972 and 1975-1983



Warren J. Smith  
SECRETARY

February 4, 1983

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February 4, 1983 meeting, Board of Trustees

## PRESENTATION - JESSE OWENS PLAZA SCULPTURE

President Jennings:

Thank you, Mr. Chairman. I'd like to now call on Mr. Weldon Ihrig to introduce some folks who will present to you the final touch, the final exciting touch, to the Jesse Owens Plaza that was recently completed at the north end of the Ohio Stadium. Weldon--

Mr. Ihrig:

Thank you, Mr. President. Before we proceed with the opportunity this afternoon to unveil what we think is a very special piece of art work and a special memorial to Jesse Owens to be added to this campus, I would like to express my special appreciation to many, to two key people who really helped us on this project outside the University itself. First of all, Mrs. Jesse Owens, who has been extremely helpful on this project and has been so gracious to welcome us into her home in Phoenix, and provide direct assistance, and it's been a special pleasure for me to have the opportunity to meet her and get to know her as a result of this project. Secondly, the several people, beyond the immediate University family that have assisted us, such as Chuck McMurray, who is an alumni of Ohio State and has really helped us very much in having this project work. And one final word before I turn this over to Bill Griffith, who is Assistant Vice President for Facilities Planning on campus and he and Robert Stull, who is Associate Dean of the College of the Arts, who has done fantastic work on this whole effort. But, this type of project goes beyond just the work at Ohio State, and it has reminded me, even though all the years that I've been here, of the total diversity and the quality of this institution, especially in the people that make it all happen, and it's this type of project that makes everything a real joy. And, as you can tell, I think, from my remarks, the enthusiasm may be contagious, so beware on this. I would like to introduce Bill Griffith and Robert Stull at this time to proceed.

Dr. Griffith:

Thank you, Mr. Ihrig. Mr. Chairman, members of the Board, and Mr. President, I'd like first to introduce to you and acknowledge two other members of our faculty who have been very much involved in the project and indeed without whose help it really would not have progressed as it has. These two gentlemen, along with Professor Stull formed the committee that worked on the project and actually formed the selection committee which chose the sculpture, which is to be revealed in a few moments here. I'd like to introduce them, they are Professor David Black and Professor Eugene Friley, along with Professor Stull. All three of these gentlemen are Professors in the Department of Art, all three are sculptors, themselves. We also have with us today the sculptor of the piece that we are presenting and he will be introduced a bit later. I must say on a personal note that I am deeply indebted to these three gentlemen; they have been my counselors and hand holders throughout this process.



February 4, 1983 meeting, Board of Trustees

**PRESENTATION - JESSE OWENS PLAZA SCULPTURE (contd)**

Dr. Griffith (contd):

The committee went through what we believe to be a very careful process in making the selection. We considered at the outset more than thirty sculptors of national and even international repute, and went through a very careful screening process and as a result of that chose three sculptors whom we invited to enter a design competition--a paid competition, they were paid a nominal amount to cover expenses and travel and that sort of thing. Each of those three gentlemen visited the campus; talked with the selection committee at length; visited the site, of course, where the sculpture is to be located; talked with other people on the campus. They also had the opportunity when they were here to go to the University Archives and review the extensive collection on Mr. Owens and were given copies of any materials that they wished from that collection. We provided each of them, of course, extensive information about Mr. Owens and his accomplishments and also provided each of them with a statement of written requirements and specifications for the sculpture project. Each of them then submitted, for consideration by the committee, a model of a sculpture proposal. The committee spent a good many hours deliberating on those over three different sessions. The result was a unanimous selection by the committee of the sculpture submitted by Mr. Curtis R. Patterson of Atlanta. And, as I said, Mr. Patterson is here and will be introduced shortly.

I have to add one other thing in my introductory remarks. The highlight of this whole process to me, and I think to the others who were involved, occurred last week when Weldon Ibrig and Professor Stull and I, along with the sculptor, Mr. Patterson, journeyed to Phoenix to present the model of the sculpture to Mrs. Owens. We were very warmly and graciously received by her and very happy that she was very, very enthusiastic about that sculpture. She said many things about it, but I think the one word that stuck in my memory, she described it as "mag-nificent," and that was a very happy occasion for all of us.

I would like now to ask Professor Stull to do the presentation of the sculpture to you, and he will then also introduce the sculptor, Mr. Patterson.

Professor Stull:

Chairman Smith, Board of Trustees, Dr. Jennings, this is a real pleasure. This has been a time of 18 months or so, this has been the most exciting project that I have worked on in my professional career. I hope that my words don't leave me at this point. This is a schematic of a plaza as it exists with the Woody Hayes Memorial Drive on this side, the stadium rotunda here, the confluence of an east/west pedestrian way at the center of the plaza, and this is the location of the sculpture. The height of this room is approximately nine feet; the height of the sculpture itself is twelve feet. The sculpture will be constructed of bronze plate, reinforced internally with steel. It will have approximately the same appearance that it has as you see it now. The interior surfaces of the sculpture will have quotations and

February 4, 1983 meeting, Board of Trustees

## PRESENTATION - JESSE OWENS PLAZA SCULPTURE (contd)

Professor Stull (contd):

records set by Mr. Owens in the course of his life, not only as an athlete, but as a world class humanitarian, which will be selected by Mrs. Owens. Additional quotations will be suggested by the University and by friends of Mr. Owens which will then be approved by Mrs. Owens before being placed on the surface.

I would like to talk about the symbolism of the sculpture. This is Woody Hayes Drive here. This element which will be at the same scale as the sculpture itself, will be placed near the street at the entry of the plaza and will bear simply the inscription "Jesse Owens Memorial Plaza." This symbol represents a stylized hurdle. Now I'll move this section out so that you can take a look at it. This symbol represents the struggle that the man reached or went through to attain the heights that he attained both as an athlete and as a humanitarian in his later years.

The symbolism of the four elements of the sculpture represent primarily two single events in his life: the winning of four gold medals represented by these four points; also the fact that in one afternoon at a sister university up north he set four world records, in one afternoon. Having the bronze depicted as bronze rather than permitting it to oxidize, keeps its gold color and also then keeps it in conformity with the notion of the gold medals and the preciousness of his contribution to our society. The circular diameter of the actual piece, not the table it is sitting on, is approximately thirty-five feet, which leaves more than adequate space for people to move through during high traffic areas. The distance between each of these elements is five feet, so this is a very personal experience when people move in. We were very much concerned that the piece be something that would relate to the contexts in which it was placed, that it be an adequate memorial to Mr. Owens, and that it be an outstanding work of art in its own right. The inscriptions as they are placed by the sculptor--the placement will be determined by the sculptor, and some of the quotations that relate directly to youth will be low, at a height at which they can easily read them, and then moving higher.

I would like to now introduce the sculptor, Mr. Curtis Patterson of Atlanta, Georgia. Curtis, come on up. There are photographs here which were done which shows exactly what the sculpture will look like when it's in place and I will leave these at the head of the table. Thank you very much.

Mr. Patterson:

Thank you for inviting me to participate in this activity. At this point I am really very happy that I am a visual artist, because I am all but lost for words to express my gratitude for being able to participate and finally to receive the commission to do the memorial for Jesse Owens. There is no point, I think, in being redundant in saying how significant Mr. Owens' contributions, and then I am sure all of you are aware of that. I just want to say that this whole experience has just been a really wonderful and very fulfilling involvement for me, and I am very eager to purchase materials and begin working and hopefully sometime in the early fall deliver a piece of sculpture to Ohio State. Thank you very much.

February 4, 1983 meeting, Board of Trustees

**PRESENTATION - JESSE OWENS PLAZA SCULPTURE (contd)**

President Jennings:

It is exciting; it's kind of hard to go on with the rest. That, I think, will make a wonderful tribute to Mr. Owens, but also a magnificent addition to the campus. I think all involved need to be complimented greatly, particularly to the faculty, Mr. Patterson, Weldon, Bob, Bill, we thank you all very, very much. I am sure that that will be a proud and major addition to this campus that we will all be able to be very proud of for many, many years in the future. They assure us, incidentally, that the maintenance will not be too expensive on this and that it can get done.

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY**

Resolution No. 83-74

*Synopsis: Amendments to rules 3335-5-59 and 3335-5-591 are presented for adoption.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in the *Rules of the University Faculty* were approved by the University Senate on January 15, 1983, as follows:

Amended Rules

3335-5-59 Faculty compensation and benefits committee.

(A) Membership:

The committee shall consist of:

- (1) Twelve elected faculty members, at least two of whom also shall be members of the senate, to serve a three-year term with four to be elected each year;
- (2) The vice president for academic affairs and provost, or designee, ex officio;
- (3) The vice president for personnel services, or designee, ex officio; and
- (4) Additional ex officio, non-voting members and consultants from the university, at the discretion of the committee.

February 4, 1983 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

3335-5-591 Legislative affairs committee.

(B) The legislative affairs committee shall:

- (1) Inform itself on legislative affairs, current or contemplated, that affect higher education in general and the Ohio state university in particular, and to make this information available to the university senate;
- (2) Inform itself, through the senate and otherwise, on student and faculty concerns with respect to such legislative affairs, and to present those concerns to appropriate university officials;
- (3) Serve as an advisory committee on legislative affairs to the president and staff assistants responsible for legislative relations.

NOW THEREFORE

BE IT RESOLVED, That the amendments to the *Rules of the University Faculty* be adopted as recommended by the University Senate.

Upon motion of Mr. Immke, seconded by Mr. Berry, the foregoing resolution was adopted by unanimous voice vote.

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**HONORARY DEGREES**

Resolution No. 83-75

*Synopsis: Approval is requested for awarding honorary degrees to three individuals.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Benjamin S. Bloom	Doctor of Humane Letters
Ralph Landau	Doctor of Science
Frank Press	Doctor of Science

NOW THEREFORE

BE IT RESOLVED, That the above honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipients.

Upon motion of Mr. Galbreath, seconded by Mr. Havens, the foregoing resolution was adopted by unanimous voice vote.

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February 4, 1983 meeting, Board of Trustees

**BYLAWS OF THE MEDICAL STAFF  
THE OHIO STATE UNIVERSITY HOSPITALS**

Resolution No. 83-76

*Synopsis: Adoption of Bylaws of the Medical Staff of The Ohio State University Hospitals is proposed.*

WHEREAS this Board established The Ohio State University Hospitals on September 13, 1963; and

WHEREAS a University Hospitals Board was created on November 30, 1979 by this Board by amendment of Rule 3335-1-03 of the Administrative Code; and

WHEREAS in Chapters 3335-93-01 to 3335-93-03 of the Administrative Code the Hospitals Board has stipulated that the medical staff of The Ohio State University Hospitals be delegated the responsibility of preparing and recommending adoption of bylaws pertaining to the practice of medicine within the University Hospitals; and

WHEREAS bylaws have been developed in accordance with the requirements of the Administrative Code and these bylaws have been adopted appropriately by the Medical Staff Administrative Committee and by the University Hospitals Board on August 24, 1982 and are hereby recommended for final approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the *Bylaws of the Medical Staff of The Ohio State University Hospitals* be adopted effective this date as the administrative rules governing the practice of medicine at The Ohio State University Hospitals; and

BE IT FURTHER RESOLVED, That the bylaws hereby adopted shall replace any previous bylaws, rules and regulations of The Ohio State University Hospitals and that they be forwarded to the appropriate state agencies for inclusion as a part of the Administrative Code.

Upon motion of Mr. Galbreath, seconded by Mr. Immke, the foregoing resolution was adopted by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 83-77

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Appointment of Chairmen of Departments and Academic Faculty; Tenure; Leaves of Absence Without Salary; Leave of Absence Without Salary--Change of Date; and Emeritus Titles are recommended for approval.*

February 4, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the December 9, 1982 meeting of the Board, including the following Appointments; Appointment of Chairmen of Departments and Academic Faculty; Tenure; Leaves of Absence Without Salary; Leave of Absence Without Salary--Change of Date; and Emeritus Titles as detailed in the University Budget, be approved.

**Appointments**

Name: DIETHER H. HAENICKE  
Titles: Vice President for Academic Affairs and Provost and Professor, Department of German  
Office: Academic Affairs  
Effective: Immediately  
Salary: \$79,920.00  
Present Positions: Acting Vice President for Academic Affairs and Provost, Dean of the College of Humanities, and Professor, Department of German

Name: A. MAX LENNON  
Titles: Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources, and Professor, Department of Animal Science  
Office: Agricultural Administration  
Salary: \$79,080.00  
Effective: On or before July 1, 1983  
Present Position: Dean, College of Agriculture and Director, Agricultural Experiment Station, University of Missouri-Columbia

**Appointment of Chairmen of Departments and Academic Faculty**

January 1, 1983 through December 31, 1986

Physiological Chemistry Gerald P. Brierley

January 1, 1983 through June 30, 1987

Veterinary Clinical Sciences William Wallace Muir III

October 1, 1982 through September 30, 1983

Labor and Human Resources \*Robert C. Miljus

January 1, 1983 through June 30, 1983

Mechanical Engineering \*Charles D. Jones

March 1, 1983 through June 30, 1983

Computer and Information Science \*Stuart H. Zweben

\* Acting Chairman

February 4, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Tenure**

Name: HAROLD G. PRYOR  
Title: Assistant Professor  
College: Dentistry  
Effective: February 4, 1983

**Leaves of Absence Without Salary**

WILLIAM J. NAPIER, Special Assistant to the President (State Relations), Office of the President, effective January 11, 1983 through January 9, 1984, to assume the position of Assistant Director of the Department of Natural Resources of the State of Ohio.

IVAN BOH, Professor, Department of Philosophy, effective January 1, 1983 through March 31, 1983, to conduct research in libraries in Ljubljana and other parts of Yugoslavia on the subject of medieval philosophy.

IRMA M. COOPER, Professor, School of Music, effective January 1, 1983 through March 31, 1983, for personal reasons.

FREDERICK J. HITZHUSEN, Professor, Department of Agricultural Economics and Rural Sociology, effective January 1, 1983 through June 30, 1983, to work at the University of Hawaii.

TIMOTHY LIGHT, Professor, Department of East Asian Languages and Literatures, effective October 1, 1983 through March 31, 1984, to accept an invitation from Beijing Language Institute and to travel and lecture at different institutions in the People's Republic of China.

ELEANOR M. DANIEL, Assistant Professor, University Libraries, effective January 3, 1983 through February 28, 1983, for medical reasons.

CONLY L. HANSEN, Assistant Professor, Department of Agricultural Engineering, effective January 1, 1983 through March 31, 1983, for personal reasons.

MARIE-CLAIRE VALLOIS, Assistant Professor, Department of Romance Languages and Literatures, effective February 1, 1983 through March 17, 1983, for personal reasons.

STEPHEN A. HILL, Instructor, Department of Surgery, effective November 18, 1982 through June 30, 1983, for medical reasons.

CATHERINE RUSK HOWARD, Instructor, Cooperative Extension Service, effective February 3, 1983 through March 2, 1983, for medical reasons.

**Leave of Absence Without Salary--Change of Date**

JILL C. D. S. YAQUB, Professor, Department of Mathematics, change date of leave granted June 10, 1982 from January 1, 1983 through June 30, 1983 to April 1, 1983 through September 30, 1983.

February 4, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles

EDWARD F. DONOVAN, Department of Veterinary Clinical Sciences, with the title Professor Emeritus, effective February 1, 1983.

SAMUEL G. HUBER, Department of Agricultural Engineering, with the title Professor Emeritus, effective February 1, 1983.

E. IVOR JONES, Cooperative Extension Service, with the title Professor Emeritus, effective February 1, 1983.

THOMAS M. LUDWICK, Department of Dairy Science, with the title Professor Emeritus, effective January 8, 1983.

OLIN W. MINTZER, Department of Civil Engineering, with the title Professor Emeritus, effective November 1, 1982.

TED SUIE, Department of Ophthalmology, with the title Professor Emeritus, effective February 1, 1983.

GEORGE F. WADLINGTON, Cooperative Extension Service, with the title Professor Emeritus, effective April 1, 1982.

FRANCIS R. CALDERWOOD, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1983.

CALVIN M. LEIMBACH, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1983.

GILBERT W. WOODBURN, Cooperative Extension Service, with the title Associate Professor Emeritus, effective January 1, 1983.

PAUL L. GERSTNER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective April 1, 1982.

BARBEE WILLIAM DURHAM, Office of Business and Finance - Stores, with the title Supervisor Emeritus of the Reagent Lab, effective February 4, 1983.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous roll call vote.

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February 4, 1983 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM

Resolution No. 83-78

*Synopsis: Resolutions honoring the service of six of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Berry, seconded by Mr. Immke, the foregoing resolution was adopted by unanimous voice vote.

Edith L. Berry

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 4, 1982, of Edith Berry, Professor Emeritus in the Cooperative Extension Service.

Miss Berry was born May 30, 1894, in Frederic, Iowa. She received her A.B degree from Iowa State Teacher's College, Cedar Falls, Iowa, in 1926. She was appointed Home Demonstration Agent in Fairfield County on February 1, 1930. On July 1, 1936, she was appointed as a Clothing Specialist and held this position until her retirement on June 30, 1957.

On behalf of the University community, the Board of Trustees expresses to the family of Miss Berry its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the nephew, Bernard Smith, as sincere appreciation of the Board's realization of the loss that the family, the University and her many friends and associates have sustained.

Fred A. Carlson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 3, 1982, of Fred A. Carlson, Professor Emeritus in the Department of Geography.

Fred Carlson was born in Pittsfield, Massachusetts, October 24, 1892. He received the Bachelor of Science degree from Massachusetts State College (now the University of Massachusetts) in 1918, and the Doctor of Philosophy degree from Cornell University in 1922. From 1918 to 1919, Carlson attended Harvard University. He served as an Instructor in Geography and Geology at Cornell from 1919 to 1921, and as an Assistant Professor of Geology at the University of California at Davis from 1922 to 1923. He was appointed an Assistant Professor of Geography at The Ohio State University in 1923 beginning a life-time of service to the University ending in his retirement in June 1963. He had been promoted to Professor in 1926.

Professor Carlson's early field work, research, and teaching was in soils geography and agricultural geography. He carried on soil surveys and field work in various states, and

February 4, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Fred A. Carlson (contd)

then undertook research and field study in Latin America. This latter research led, ultimately, to the publication of the *Geography of Latin America* (1936, three editions). Earlier, he had published jointly with C. C. Huntington, a text, *Environmental Basis of Social Geography*.

Fred Carlson taught in and supervised the program in undergraduate physical geography for more than 25 years; in addition, he provided instruction and research in soils, the geography of commerce, and Latin America. He was well known for his kind and gentlemanly manner, and for his precision and neatness. Until this past year, he remained an ardent attendant at O.S.U. home football games.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

David S. Craig

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 23, 1982, of David S. Craig, Professor Emeritus in the College of Administrative Science - Administration.

Professor Craig was born on October 19, 1902. He was a graduate of Ohio Wesleyan University and The Ohio State University Law School, where he was elected to the Order of the Coif. Professor Craig was engaged in the general practice of law in Columbus from 1927 until 1942. In 1936 and 1937 he served as a judge on the 2nd District Ohio Court of Appeals. From 1940 through 1942, he was a member of the Columbus Board of Education. He was elected president of the Board in 1942.

During World War II, Professor Craig served as principal attorney in the Office of Price Administration. In this capacity he supervised the legal work of the Rent Division of the Chicago and Cleveland regional offices. In 1943 he was appointed to the post of Special Assistant to the Attorney General of the United States.

Professor Craig joined the faculty of The Ohio State University in 1947. He became a full professor in the Department of Business Administration in 1953. In 1959, he co-authored *Basic Business Law*, which became a standard text for a generation of business students. Professor Craig retired from The Ohio State University in 1966.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Craig its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

February 4, 1983 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Andreas Dorpalen

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 18, 1982, of Andreas Dorpalen, Professor Emeritus in the Department of History.

Professor Dorpalen, historian of twentieth-century Germany, was born in 1911 in Berlin, Germany; he received a Doctor of Law degree from Bonn University in 1933, but was forced to emigrate in 1936. He came to New York City, where he worked as a freelance writer and served as an editorial assistant with the *Columbia Encyclopedia*. In 1943, the U. S. Army invited him to teach about Germany in its Specialized Training Program at Kenyon College. He taught European history at Saint Lawrence University, Canton, New York, from 1944 to 1958, becoming a full professor in 1948. In 1953-54 he was a Guggenheim Fellow at the Institute for Advanced Study in Princeton, New Jersey, to which he returned for another term in 1969. From 1958 until he became emeritus in 1978, Mr. Dorpalen taught German and European history at The Ohio State University.

With his 1942 study of Karl Haushofer, whose ideas form the basis for many of Hitler's geopolitical views, and his 1957 biography of the influential nineteenth-century German historian Heinrich von Treitschke, Mr. Dorpalen concentrated on the intellectual underpinnings of German politics. In *Hindenburg and the Weimar Republic* (1964) and *Europe in the Twentieth Century* (1968) he focused directly on the exercise of political power.

Since 1968 a series of articles built his reputation as a leading western authority on East German historical scholarship. A man of formidable courage who was stricken with paralytic polio shortly after arrival in this country, his work was stamped throughout by fiercely rigorous research and professional commitment.

Mr. Dorpalen served as president of the New York State Association of European historians 1951-52, an executive committee member of the Modern European Section of the American Historical Association 1966-68, and chairman of the Conference Group for Central European history in 1972. He received The Ohio Academy of History Distinguished Service Award and was an honorary member of Phi Beta Kappa.

Professor Dorpalen was truly an outstanding scholar who brought great distinction to The Ohio State University. His special role was in encouraging younger colleagues to press ahead to become the very best teachers and scholars. He was deeply devoted to his Department and to this University. His colleagues and his many friends and admirers in the world-community of scholars mourn his passing.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Dan McLachlan, Jr.

The Board of Trustees of The Ohio State University expresses sorrow upon the death on December 3, 1982, of Dan McLachlan, Professor Emeritus in the Department of Geology and Mineralogy.

February 4, 1983 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

Dan McLachlan, Jr. (contd)

Dan McLachlan was born in Arcola, Saskatchewan, Canada, December 5, 1905. He graduated from Houston High School in 1925. He received the B.S. degree from Kansas State University in 1930; and M.S. and Ph.D. degrees from Pennsylvania State University in 1933 and 1936 respectively. McLachlan's academic appointments included Professor of Metallurgy (also Physics and Mineralogy) at University of Utah from 1947 to 1953, Professor of Physics at University of Denver from 1962 to 1963 and Professor of Mineralogy at The Ohio State University from 1964 until his retirement in 1976. McLachlan also had a number of positions and consultantships in industry. These included Corning Glass, American Cyanamid Company, Stanford Research Institute, General Electric Company and Battelle Memorial Institute.

McLachlan was the author of seventy-five research publications, mostly dealing with X-ray radiography, crystallography and mineralogy. Two of these publications were books. Eleven patents and two copyrights are registered in his name. He is the editor of a book, *History of Crystallography in America*, due to appear in the near future.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

William A. Wayt

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 24, 1982, of William A. Wayt, Professor Emeritus in the Department of Agricultural Economics and Rural Sociology.

Dr. Wayt was born on February 20, 1921 and reared on a general purpose hill farm near Moundsville, West Virginia. He was very active in 4-H during his youth. Bill earned a Bachelor of Science degree in Agricultural Education at West Virginia University in 1943. From 1943 to 1945 Dr. Wayt served in the U. S. Army with an Infantry Division, receiving combat experience in the European theater during World War II. He earned a Master of Science degree in 1947 and a Doctor of Philosophy degree in 1956, both in Agricultural Economics from The Ohio State University.

Dr. Wayt served as an Instructor from 1948 to 1956, joining the Ohio Agricultural Experiment Station Staff in 1953. He was appointed as an Assistant Professor in Agricultural Economics and Rural Sociology in 1956. He was promoted to Associate Professor in 1961 and to Professor in 1966. He served in this capacity until his retirement in 1978.

Bill was an Institutional Economist in the tradition of John R. Commons. Throughout his career, he devoted significant portions of his time to problems of land tenure, part-time farming, taxation, land use control, and other land issues in both the U. S. and international

February 4, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

William A. Wayt (contd)

spheres. Bill was a long-term member of the North Central Land Tenure Research Committee on which he helped develop interest in and conducted several studies on these problems. He is author or co-author of more than 40 articles, monographs and research bulletins.

Throughout his career, Bill had a strong interest in international development. He was advisor and friend to numerous international students. He had a special interest in Africa. In 1961, he organized the Department of Agricultural Economics and Business at Haile Selassie I University in Ethiopia and served as its head until 1963. From 1965 to 1968 he served as a research officer on a CIC/AID study of university contracts abroad for the African region. For three months in 1969, he was an agricultural economics advisor at the University of Udaipur in India. After his retirement from The Ohio State University in 1978, Bill served as a consultant with the Public Administration Service on USAID sponsored projects on two occasions. First, he was assigned to the Indonesia Agricultural Development Bank in Jakarta for the remainder of 1978. Second, he served as Training Advisor with the Kenya Agricultural Finance Corporation in Nairobi from June, 1981 until his death.

During his career, Dr. Wayt was a member of the American Agricultural Economics Association, American Economics Association, International Association of Agricultural Economists, and the International Development Society.

Those who worked closely with Bill respected his warmth and kindness, his personal integrity, his pride in his work, his concern for his fellow man, and his devotion to those students he advised.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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### BUDGET - PRESIDENT JENNINGS

President Jennings made the following statement:

Mr. Chairman, with your permission I would like at this time to deviate from the agenda and attempt to bring you up to date on the very difficult situation we find ourselves in on the financial level. We often talk about the Rites of Spring in universities; I hope we do not get into the Rites of February--this is my second February Board meeting and I am in a position of having to cut budgets for the second straight February. Unfortunately, however, dealing with the problem--while it is difficult, I feel that we must, at this stage.

**BUDGET - PRESIDENT JENNINGS (contd)**

President Jennings (contd):

Given the Governor's speech I would like to suggest a context that we are dealing now with financially at Ohio State. As you know, last year at approximately this time, we were forced at Ohio State to go through a budget cutting process that in the end amounted to slightly more than \$55 million. That was being cut from a budget that on national standards is indeed an enormously tight budget. I remind you that the State of Ohio is forty-seventh in the nation in per capita support for higher education and the structure of our budget reflects that very difficult situation. Furthermore, we are not only low relative to other states but higher education at Ohio State during the last several years has had a declining share of what is by any standards a very tight state budget. In 1979, for example, higher education represented approximately 15 per cent of total state budget; today it is approximately 12 per cent of the budget of the State of Ohio.

It is also in a context that we are dealing with budget cuts where student demand continues to increase. As all of you know, we--in the context of Ohio State's enrollment limit, enrollment for next fall, the fall of '83, was closed January 15 reflecting the enormous demand for our services throughout the State of Ohio. We are also in a situation where for three years now the budget has not been a firm budget. As a matter of fact, when I started at Ohio State we were in an unusual situation of not even having a budget. When I began, a budget was developed in November, revised in January of '82, revised again in June of '82, and now we are on our fourth revision in the less than eighteen months that I have been President at Ohio State.

It is also in a context where throughout the nation there is tremendous temptation in higher education to lower quality in higher education, to begin paying lower salaries, to reduce faculty, to reduce staff, to reduce expenditures in higher education. I remind you that higher education is in the unique situation of once we begin to lower quality, that quality will stay down for at least a generation. We are doing everything we can to maintain that quality but the threats to the quality of this institution and many other institutions are extremely severe because of these budget reductions--these unprecedented budget reductions. As I said last year, the budget reductions we were going through here on a percentage basis are worse than that experienced by this University during the period of the Great Depression.

Finally, in this particular situation, we have five months to deal with this budget. We have not the luxury of time; we have a situation where most of our expenditures have already been committed and anything we must do must be done immediately. We do not have the luxury of waiting to see what the final outcome of the legislative proposal is.

We are approaching this budget reduction in a way that I believe will preserve the essence of the academic enterprise. The budget reductions that I will be undertaking will not be across the board. But whatever happens it will be an enormously

**BUDGET - PRESIDENT JENNINGS (contd)**

President Jennings (contd):

difficult situation particularly in the context of not only several months but several years of continued budget reductions on a budget that is already very small by any standards, any standards of this nation.

Let me just summarize the problem for you as I understand it from the state's situation. In the Governor's speech last Tuesday, he outlined that the state was in a deficit situation of approximately \$528 million. He attributed roughly \$300 million of that of shortfalls in revenue and \$200 million of that of increases in expenditures as a result of the demands on the state from the very severe unemployment situation that we have in this state. In that budget message he proposed two solutions. He proposed a tax solution that would accommodate approximately \$246 million of that \$528 million and a budget reduction solution that would accommodate approximately \$282 million of which in an executive order that has now been promulgated has directed the Board of Regents to reduce their 1982-83 budget by \$38.7 million. That \$38.7 million represents an enormously large figure but I do have to say that given the context of the state I think that we have an obligation as a state institution to do our share. He has asked the taxpayers to do their share; we have an obligation to do our share and despite several years of difficult budget situations we have an obligation to accommodate this as best we possibly can. But I emphasize again that this budget on an annual basis, given the 10 per cent reduction last year, given the 5 per cent reduction that this approximately represents, given the enrollment penalties that we have had at Ohio State on an annual rate basis, even with this relative to where we started with last June this represents in excess of 20 per cent budget reductions that will have gone through by the end of this fiscal year. I further would point out that whatever our solution is today it does rely on additional revenue for the state and if there is not additional revenue forthcoming that this solution that we are going to outline today will be small compared to the type of problem that we will face if that Governor's proposal is not passed by the General Assembly fairly rapidly and fairly quickly.

Now, how does it affect Ohio State? Unfortunately, any numbers that I deal with at this stage must be approximate. I am confident that any numbers I am dealing with are close to how it affects Ohio State and feel that at this stage we must proceed because of the tremendous shortage of time and the magnitude of this situation. But as we get down the line on this we will get more precise numbers but they are our best estimate today as to how this will affect us. As you all know our budgets are in various pieces and the recommendation coming down is not across the board to those various pieces but does appear that it will average approximately 5.2 per cent. Our best estimate of the loss is the following: In these various pieces, of course, the Columbus instructional subsidy is the largest single piece and of the loss, that represents approximately \$7.95 million. On the Regional Campuses, while the numbers are small it will be very critical to the Regional Campuses. It represents a loss of \$320,000. In the various restricted appropriations--and this includes the Hospital, this includes Cooperative Extension,

February 4, 1983 meeting, Board of Trustees

**BUDGET - PRESIDENT JENNINGS (contd)**

President Jennings (contd):

this includes OARDC, it includes the labor education program, the losses appear to amount to \$2.4 million. And then finally, as you know, in December the Board of Regents--improperly, I believe--reduced Ohio State's budget by \$2.3 million as an enrollment penalty for which we were not overenrolled. The total magnitude of those losses--the \$8 million from Columbus instructional subsidy, the \$320,000 from Regional Campuses, the \$2.4 million from the restricted appropriations and the enrollment penalty amount to \$12.97 million or approximately \$13 million for the remainder of this fiscal year.

So in essence today we must deal with \$13 million and how do we accommodate to that. Let me also go back a bit in history. The budget that was approved by the General Assembly last June and in turn approved by this Board--in the General Assembly that budget, when it was approved, there was a 2 per cent automatic budget reduction that was to take place if state revenues were short through the process. That piece of it was not signed into law but nevertheless the General Assembly and the Governor and all parts of state government were pointing to the fact that the budget passed last June may have serious difficulty associated with it. And in the budget we passed last June we did indeed set aside 2 per cent of the budget that was passed last June in order to accommodate a shortfall of this nature. That 2 per cent would represent \$4.24 million of the approximately \$13 million budget deficit that we are currently facing. That leaves the continuing staggering amount of \$8.7 million that we have to cover beyond central reserves. Now I also want to point out that had we not had to use this 2 per cent, this \$4.5 million, we could have used that for some of the major shortages associated with this institution. We can go throughout this campus and we can note that our equipment needs on this campus are staggering. Our equipment is becoming more and more obsolete. Our youngsters are being trained on equipment that is one and two and three generations old, we are losing ground in our library books, we are losing ground on our physical plant. These monies could have been used to make some progress on those activities. Lest we forget, those monies would not have disappeared; they would have been used for good academic reasons. But we can apply those monies to this budget deficit.

Now sometimes in all situations you would rather be lucky than good. As all of you are very much aware, with the exception of today we have had a very, very mild winter. We also had a mild summer. Because of that mild weather we have produced approximately one million dollars of savings in our utility plant, in our power plant, in our fuel and purchase of electricity. So that I can apply that one million dollars to this budget deficit reducing it from 8.73 down to of course 7.73. In terms of the enrollment penalty--\$2.3 million--it was a negative penalty, it was an improper penalty. But during the past six weeks our financial officers have made plans to cover that through the tuition income that was generated with those students and a variety of miscellaneous income and savings accounts which are a whole series of small accounts, and is netting out to roughly \$900,000. That



February 4, 1983 meeting, Board of Trustees

### BUDGET - PRESIDENT JENNINGS (contd)

President Jennings (contd):

still leaves a problem of \$5.4 million. Now with that I have today issued instructions to our vice presidents to provide me with a plan to accommodate this remaining \$5.4 million through new budget reductions and I emphasize new budget reductions--this is on top of a \$55 million budget reduction last January, 10 per cent reduction on the June budget, and a \$2.3 million enrollment penalty that should not have been placed on us. All these figures are, of course, subject to adjustments as we get the final figures from the Board of Regents.

In terms of developing this plan, I have asked our vice presidents to develop a plan within the following policy guidelines. Despite these difficulties we are not, and I emphasize not, in financial exigency. Current employment practices remain, with any proposed staff reductions accomplished through attrition. We will not recommend an increase in tuition, fees or charges for the Spring Quarter--I emphasize for the Spring Quarter. There will be no general freeze; it is my belief that the vice presidents can deal with this situation without a general freeze. Proposed budget reductions that they make will apply only for the remainder of this fiscal year. I want to remind everybody again that this is assuming the Governor's proposal on new taxes. If that proposal is modified in any way, modified downward, these budget reductions will have to be increased. And even with new taxes, it is very clear to me that this state is not out of the financial difficulty it is in. Even these new taxes will not make either The Ohio State University or the State of Ohio will not turn around the financial situation completely. It will obviously help, but it will not put us in a position where we will have sufficient resources for an outstanding institution. Finally, that earnings operations of the institution have a responsibility similar to that of the General Fund in their set-aside of that 2 per cent contingency. Now based on those guidelines and on total resources in each unit, including the General Fund and earnings operations but excluding restricted accounts I have established the following planned reductions subject to the approximate nature of the total. As I noted that the total remaining liability is \$5.43 million. In developing the plans we will expect the regional campuses to reduce budgets by no less than \$200,000. We will expect the restricted appropriation accounts--again, the Hospital, OARDC, Cooperative Extension, Labor Education and a variety of other units--to reduce budgets by no less than \$1.73 million. We will expect the seventeen colleges of the institution to reduce budgets by no less than \$1.35 million, and I will expect out of the offices of the vice presidents budget reductions of no less than \$2.5 million. I will expect those plans to be in place by February 9 which is next Wednesday. For those of you who have been keeping track of that, that adds to 5.73 and not 5.43; I have kept a contingency of \$300,000 for adjustments to this so that as difficulties arise we have some very modest means available with us with which to deal.

I am confident that this plan, this can be accomplished, without a disaster at this institution. It will be extremely difficult but I think with good management it can be done and I want to emphasize that we do have good management at this institution. We have an outstanding group of deans, who have been going through this

February 4, 1983 meeting, Board of Trustees

**BUDGET - PRESIDENT JENNINGS (contd)**

President Jennings (contd):

now and I am confident will be able to accomplish the objective without an impairment to quality. Our vice presidents as all of you know are some of the most outstanding people in the country both in their management abilities and their sense of an academic enterprise and can indeed get through this. I am confident also in the faculty and staff and in the student body, that they will pitch in and cooperate in this very difficult time. This plan during this past week has been discussed and comments have been allowed from the Fiscal Affairs Committee of the University Senate, the Steering Committee of the University Senate, the Faculty Compensation and Benefits Committee of the University Senate, the Deans' Council and the vice presidents. They are all prepared and I am confident that this can be accomplished very shortly, but must be accomplished within a short period of time. It will be very difficult but I think the Governor's proposal is fair. He faces the most difficult economic times since the Great Depression in the State of Ohio. Our unemployment figures were at 14 per cent; they haven't been that high since the late 1930's. The Governor, in his speech, was clearly looking for permanent solutions. He is looking to fix the temporary situation but looking for permanent solutions and I am confident that with his help, cooperation of the General Assembly and the community at large that we can get through this and look forward to better times as the economy begins to improve. It will indeed be a great burden--it will be a burden to our faculty, to our students, to our staff; it will be a great burden to the people of Ohio. But I think in these difficult times that can be shouldered, and with cooperation we can accomplish this. We will do our share as I am confident the community at large will do its share. I wish we didn't have to go through this, but I am afraid we do and I think this will work and I think you can be confident that the people of this institution will pitch in and get the job done. Any questions?

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-79

*Synopsis: The reports on contracts, grants, and gifts and the summary for November and December are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the months of November and December 1982, be approved.

Upon motion of Mr. Havens, seconded by Mr. Berry, the foregoing resolution was adopted by unanimous voice vote.

**SUMMARY FOR NOVEMBER 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	47	\$3,058,226.57
Engineering Experiment Station	37	114,732.00
		\$3,172,958.57

The Ohio State University Development Fund

Establishment of Named Funds

College of Dentistry Orthodontic Support Fund (College of Dentistry - Orthodontic Section)		\$ 50,000.00
Agronomy Teaching Improvement Fund (Department of Agronomy)		\$ 10,000.00
Mary Jayne Dovenbarger Scholarship Fund (College of Agriculture and Home Economics)		\$ 5,390.05
Department of Home Management and Housing Endowment Fund (Department of Home Manage- ment and Housing)		\$ 5,000.00
The Law Class of '65 Endowed Fund (College of Law)		\$ 5,000.00

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR NOVEMBER 1982 (contd)**

Report from Presidents Club

Members to date	4,576
1982 members: year to date	121
New members - November 1982	12

New Presidents Club Members - November 1982

George E. Bell	Kenneth E. Nutter
Helen Game Crane	Robert W. Nutter
Jack O. Evans	Glen E. Petry
Charles C. Figge	Michael Sutton
Richard P. Goldthwait	S. J. Whalen
E. Leonard Jossem	Howard E. Whiston

**SUMMARY FOR DECEMBER 1982**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	58	\$3,620,691.03
Engineering Experiment Station	45	103,597.00
Ohio Agricultural Research and Development Center	3	23,802.00
		\$3,748,090.03

The Ohio State University Development Fund

Establishment of Named Funds

The Martha Brian Fellowship in Journalism (Fellowship support - School of Journalism)		\$18,615.00
The Allan I. Gordon Undergraduate Scholarship for Study in Bio-chemical Engineering (Department of Chemical Engineering)		\$10,000.00

February 4, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR DECEMBER 1982 (contd)**

Establishment of Named Funds

The Francis R. Aumann Fund (Department of Political Science)	\$ 5,475.00
The Jane S. Ward Medical Research Fund (Medical Research)	\$ 5,040.00
Seneca Buckeye Alumni Scholarship Fund (Undergraduate students - Seneca County)	\$ 5,000.00

Report from Presidents Club

Members to date	4,585
1982 members: year to date	132
New members - December 1982	11

New Presidents Club Members - December 1982

James F. Berg	Paul L. Ludwig
Richard J. Denman	Elbert R. Nester
Steven P. Gibb	D. Scott Owens
Joseph H. Goodman	Tom H. Robinson
Jack G. G. Hendershot	David M. Selcer
Shirley T. Johnson (Mrs. Robert E.)	

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SECOND QUARTER SUMMARY**

October 1, 1982 through December 31, 1982

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Sponsor	No. of Awards	Amount of Support
<b>FEDERAL</b>		
National Aeronautics and Space Administration	11	\$ 574,967.51
National Science Foundation	13	743,489.00
Department of Defense	28	3,967,650.00
Department of Energy	1	30,000.00
Department of Education	12	209,900.00
Department of Health and Human Services	18	1,367,402.00
Other Federal	22	1,408,388.00
TOTAL - FEDERAL	105	\$ 8,301,796.51
STATE OF OHIO	18	\$ 344,514.87
INDUSTRIAL	25	\$ 786,017.41
OTHER NON-FEDERAL	46	\$ 3,211,991.22
GRAND TOTAL	194	\$12,644,320.01

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SECOND QUARTER SUMMARY**

October 1, 1982 through December 31, 1982

**ENGINEERING EXPERIMENT STATION**

Sponsor	No. of Awards	Support Level
STATE OF OHIO	1	\$ 6,876.00
INDUSTRIAL AND OTHER	109	\$230,319.00
TOTAL	110	\$237,195.00

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - November, 1982

Federal Research Contracts/Grants

\$327,595.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, Department of Medicine (M. Tzagournis and W. B. Malarkey), 1 December 1982 through 30 November 1983. (Project 761196 - Continuation)

\$129,984.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Documentation of Ice Shapes for the Helicopter Icing Flight Test Program, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 29 November 1982 through 29 August 1983. (Project 763362 - New)

\$119,936.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effect of Ice Formation on Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and M. B. Bragg), 4 June 1983 through 4 June 1984. (Project 762009 - Continuation)

\$117,433.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *in Vitro*, College of Pharmacy (D. T. Witiak), 1 October 1982 through 30 June 1983. (Project 762177 - Continuation)

\$112,441.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells, *in Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 July 1982 through 30 June 1983. (Project 762178 - Continuation)

\$89,746.00 - National Science Foundation, Washington, D. C., Glacial Geology and Pedology of the Reedy Glacier - Harold Byrd Mountains Area, Institute of Polar Studies (J. H. Mercer and K. R. Everett), 1 July 1983 through 30 June 1984. (Project 763363 - New)

\$87,592.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen-Induced Changes in tRNA Metabolism in Human Cells, Department of Physiological Chemistry (R. Trewyn), 1 October 1982 through 30 September 1983. (Project 762404 - Continuation)

\$87,000.00 - Department of the Air Force, Electronic Systems Division (AFSC), Hanscom Air Force Base, Massachusetts, The Study of Gravity Field Estimation Procedures, Department of Geodetic Science and Surveying (R. H. Rapp), 1 October 1982 through 30 September 1983. (Project 762959 - Continuation)



February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$82,533.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1982 through 30 June 1983. (Project 761657 - Continuation)

\$81,300.00 - National Science Foundation, Washington, D. C., Kinetics and Spectroscopy of Carbenes and Biradicals, Department of Chemistry (M. S. Platz), 1 December 1982 through 30 November 1983. (Project 763341 - Continuation)

\$80,000.00 - National Science Foundation, Washington, D. C., Crack Detection by Ultrasonic Methods: Theory and Experiment, Department of Welding Engineering (L. Adler), 15 October 1982 through 14 October 1984. (Project 763354 - New)

\$78,451.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. Blakeslee), 1 July 1982 through 30 June 1983. (Project 762179 - Continuation)

\$74,741.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Oxidation Resistance and Magnetic and Mechanical Properties of Fe, Si, Al Alloys, Department of Metallurgical Engineering (G. W. Powell), 1 October 1982 through 30 September 1983. (Project 762438 - Continuation)

\$71,000.00 - National Science Foundation, Washington, D. C., Wave Propagation and Transport in Heterogeneous Media, Department of Physics (D. G. Stroud and B. R. Patton), 1 November 1982 through 31 October 1983. (Project 762926 - Continuation)

\$68,811.00 - National Aeronautics and Space Administration, Washington, D. C., Infrared Spectroscopic Investigation of Gases to Support Stratospheric Studies, Department of Physics (J. H. Shaw), 1 November 1982 through 31 October 1983. (Project 761420 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D. C., Molecular Studies of Genetic Regulation in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 December 1980 through 30 May 1984. (Project 762490 - Continuation)

\$54,925.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Fundamentals of Microcrack Nucleation Mechanics, Department of Engineering Mechanics (L. S. Fu), 28 October 1982 through 27 October 1983. (Project 763340 - Continuation)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$40,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute Health Clinic Center, Bethesda, Maryland, Normal Volunteers for Participation in Medical Research Projects, Department of Microbiology (A. M. Ackermann-Brown), 1 October 1982 through 30 September 1983. (Project 762907 - Continuation)

\$36,077.00 - Department of Health and Human Services, Office of Human Development Services, Administration for Children, Youth and Families, Chicago, Illinois, Child Welfare Traineeships, College of Social Work (P. M. Alexander), 1 September 1982 through 31 August 1983. (Project 763310 - New)

\$30,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development and Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1982 through 31 December 1982. (Project 760927 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory, (C. A. Levis), 1 October 1982 through 31 December 1982. (Project 762612 - Continuation)

\$22,964.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, EO Device Signature Reduction, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Damon), 1 October 1982 through 1 February 1983. (Project 762341 - Continuation)

\$20,000.00 - Department of Labor, Occupational Safety and Health Administration, Washington, D. C., Development of Occupational Safety and Health Training/Education and Related Assistance Capabilities, College of Administrative Science, Continuing Education (R. M. Montgomery and C. J. Slanicka), 1 October 1982 through 30 September 1983. (Project 761381 - Continuation)

\$12,500.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 1 November 1982 through 31 October 1985. (Project 763344 - Continuation)

\$11,072.00 - Department of the Interior, Geological Survey, Reston, Virginia, Analysis and Evaluation of Water Quality Data in the Ohio River Basin, Department of Civil Engineering (E. E. Whitlatch and R. M. Sykes), 1 October 1982 through 31 March 1983. (Project 762051 - Continuation)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$10,610.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Changes in the Organ of Hearing Produced by Sound, Department of Otolaryngology (D. J. Lim and W. Melnick), 1 October 1982 through 17 March 1983. (Project 762072 - Continuation)

**TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS** **\$1,936,711.00**

**State of Ohio Research Contracts/Grants**

\$90,000.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Continuing Education for Child Care Professionals, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 October 1982 through 30 September 1983. (Project 763348 - New)

\$23,813.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Continuing Education for Child Care Professionals, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 October 1982 through 30 September 1983. (Project 763255 - Continuation)

\$8,585.00 - State of Ohio, Department of Education, Division of Vocational Education, Ohio Occupational Information Coordinating Committee, Columbus, Ohio, The Occupational Employment Statistics Survey Program in Ohio for Non-Manufacturing (Primarily Trade), 1982, Academic Faculty of Labor and Human Resources (S. C. Kelley, H. R. Blaine and M. Sandver), 1 November 1982 through 31 August 1983. (Project 763055 - Continuation)

\$200.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, The Impact of Natural Support Systems on Children's Reaction to Parental Divorce/Separation, Department of Psychology (C. Wenar and M. Schreiber), 1 July 1982 through 31 December 1982. (Project 762184 - Continuation)

**TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS** **\$ 122,598.00**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants**

\$627,899.00 - University of Cincinnati, Cincinnati, Ohio, Area Health Education Centers, College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1982 through 30 September 1983. (Project 763304 - Continuation)

\$61,708.00 - Ross Laboratories, Division of Abbott Laboratories, Columbus, Ohio, Isolation and Growth of Human Rotaviruses, Department of Medical Microbiology and Immunology (J. H. Hughes), 1 September 1982 through 31 August 1983. (Project 763278 - New)

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$44,114.00 - Adria Laboratories, Columbus, Ohio, Dose-Response Analgesic Study of 37.5 mg, 75 mg and 150 mg Intramuscular Single Doses of Indoprofen Compared to Placebo in Patients with Post Abdominal or Vaginal Hysterectomy, Department of Anesthesiology (J. S. McDonald), 1 October 1982 through 30 June 1983. (Project 763360 - New)

\$42,840.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Development of a Non-Traditional Medical Record Administration Program, School of Allied Medical Professions (M. S. Pariser), 1 September 1982 through 31 August 1983. (Project 762768 - Continuation)

\$42,328.00 - Smith Kline and French Laboratories, Philadelphia, Pennsylvania, SK&F 100,168 in Normal Subjects, Department of Medicine (C. V. Leier), 1 September 1982 through 30 August 1983. (Project 763342 - New)

\$40,000.00 - University of Florida, Gainesville, Florida, Decomposition Pathways for Carbon Disulfide, Department of Chemistry (I. Shavitt), 1 September 1982 through 31 August 1983. (Project 762983 - Continuation)

\$28,600.00 - Commonwealth of Pennsylvania, Department of Education, Harrisburg, Pennsylvania, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1982 through 31 August 1983. (Project 763352 - Continuation)

\$23,930.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Newsletter for the Ohio Coal Research Laboratories Association, Inc., Program for Energy Research, Education and Public Service, Graduate School - Administration (R. E. Bailey), 1 November 1982 through 31 October 1983. (Project 762554 - Continuation)

\$20,000.00 - Research Corporation, New York, New York, State-State Chemical Dynamics of Molecule-Surface Interactions, Department of Chemistry (P. L. Jones), 1 December 1982 through 30 November 1983. (Project 763361 - New)

\$18,250.00 - American Academy of Physician Assistants, Arlington, Virginia, Physician Assistant Self-Assessment, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 October 1982 through 31 December 1982. (Project 763054 - Continuation)

\$16,332.00 - Pittsburgh Plate Glass, Circleville, Ohio, Analysis and Study of Orientation Programs for Resin Plant Operators, Academic Faculty of Vocational-Technical Education (J. E. Sage) and College of Education - Administration (J. J. Buffer), 1 October 1982 through 31 March 1983. (Project 763350 - New)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial, Private, and Other Non-Federal Research Contracts/Grants (contd)**

\$15,671.00 - University of Rhode Island, Kingston, Rhode Island, Biosynthesis of Marine Natural Products, Department of Chemistry (H. G. Floss), 1 July 1982 through 30 June 1983. (Project 763351 - New)

\$6,000.00 - American Cyanamid Company, Pearl River, New York, Clinical Evaluation of MAS-01, Department of Obstetrics and Gynecology (C. I. Friedman), 1 October 1982 through 30 September 1983. (Project 763346 - New)

\$5,000.00 - Center for Public Education, Columbus, Ohio, Methodology Development for the Center for Public Education "Planning Study for the 80's," Department of Communication (D. Ronchi), 1 October 1982 through 31 March 1983. (Project 763333 - New)

\$3,000.00 - E. H. White & Co., San Francisco, California, Patterns of Course Taking, Grades, Credits, and Valuation in High School: A Re-analysis of the National Longitudinal Survey Youth Transcript Data, The National Center for Research in Vocational Education (R. E. Taylor), 25 October 1982 through 25 November 1982. (Project 763345 - New)

\$2,920.57 - Arizona State University, Tempe, Arizona, An Assessment of Labor Market Demand in the Agua Fria, Arizona School District, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1982 through 30 November 1982. (Project 763343 - New)

\$325.00 - The Apple Education Foundation, Cupertino, California, An Instructional Design Model for the Development of Computer Based Simulations, Academic Faculty of Educational Foundations and Research (K. A. Hall), 1 October 1982 through 31 December 1983. (Project 763347 - New)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS** **\$ 998,917.57**

**ENGINEERING EXPERIMENT STATION**

**Industry and Other Sponsored Research and Development**

\$7,191.00 - International Engineering Corporation, Inc., San Francisco, California, Extension of "A Study of Radio Frequency Interference from HVDC Converter Stations," Department of Electrical Engineering, June 24, 1982 through November 3, 1982. (529087 - Ext. 1)

\$107,541.00 - Twenty-six sponsors for 36 development projects under the direction of seven departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$ 114,732.00**

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Gifts of \$5,000 or More**

\$43,451.25	Order Eastern Star Grand Chapter, Danville, Ohio, for Cancer Research - Dr. Minton.
\$37,000.00	Standard Oil Company, Cleveland, Ohio--\$10,000.00 for SOHIO Fellowship in Chemistry; \$7,500.00 for College of Administrative Science; \$7,500.00 for Mining Engineering Scholarships; \$7,000.00 for Capital Campaign - Chemical Engineering; \$2,500.00 for Affirmative Action Program in Engineering; and \$2,500.00 for Women Engineers - Engineering Administration.
\$31,834.85	Louise Scott Foundation, Columbus, Ohio--\$23,876.14 for William C. Orr and Mary B. Orr Scholarship in Medicine and \$7,958.71 for William C. Orr and Mary B. Orr Scholarship in Pharmacy.
\$29,134.94	Retinal Consultants, Columbus, Ohio--\$25,452.36 for Retina Research Fund and \$3,682.58 for Ophthalmology Photography Fund.
\$27,808.00	Amoco Foundation, Inc., Chicago, Illinois--\$13,508.00 for Amoco Foundation, Inc., Fellowship; \$7,500.00 for Teacher's Awards Fund; and \$6,800.00 for Department of Geology Fund.
\$26,736.00	Trust Under the Will of Glenna Joyce, Columbus, Ohio, for Glenna R. Joyce Scholarship Fund.
\$23,000.00	Union Carbide, New York, New York--\$6,000.00 for Union Carbide Corporation Fellowship and Grant-in-Aid Fund in Chemical Engineering; \$6,000.00 for Capital Campaign - Mechanical Engineering; \$4,000.00 for Union Carbide Corporation Fund in Chemistry; \$3,000.00 for Union Carbide Corporation Fellowship - Welding Engineering; \$2,000.00 for Women Engineers - Engineering Administration; and \$2,000.00 for Affirmative Action Program in Engineering.
\$20,000.00	City Loan and Savings, Lima, Ohio, for WOSU Support Fund.
\$18,075.00	Exxon Education Foundation, New York, New York--\$10,000.00 for Exxon Fellowship in Metallurgical Engineering; \$4,000.00 for Department of Geology Special Fund; \$2,000.00 for Accounting Department, Chairman's Discretionary Fund; \$2,000.00 for College of Administrative Science Fund; and \$75.00 for undesignated purposes.
\$16,118.28	Trust Under the Will of Carl Baldwin, Columbus, Ohio, for Carl and Grace Baldwin Eye Care Fund.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More

\$15,885.52	Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
\$15,000.00	Ohio Dairy Farmers Federation, Inc., Columbus, Ohio, for Ohio Dairy Farmers Federation, Inc., Research Fund.
\$14,543.77	University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.
\$13,687.50	Seward Schooler, Coshocton, Ohio--\$12,500.00 for Cardiovascular Research Fund - Dr. Leier and \$1,187.50 for Presidents Club Special Fund.
\$12,400.00	Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Medical Scholarship Fund.
\$10,373.82	Revlon Health Care Group, Columbus, Ohio, for Renal Disease Research Fund.
\$10,260.00	Dellen Labs, Inc., Omaha, Nebraska, for Veterinary Pathobiology Graduate Training Fund.
\$10,000.00	Howard Webb, Lima, Ohio, for Orthodontic Support Fund.
\$10,000.00	Pulmonary Associates, Columbus, Ohio, for Pulmonary General Fund.
\$10,000.00	M. S. & F. H. Bender Foundation, New York, New York, for Ophthalmic Laser Lab Fund.
\$10,000.00	Ohio Food Processors Association, Worthington, Ohio, for Chair in Food Industry.
\$ 7,854.37	Students Institute, Journalism and Communications, Tokyo, Japan, for Disaster Research Center - Japanese Collaboration.
\$ 7,825.00	Ohio Farm Bureau, Columbus, Ohio--\$7,200.00 for Farm Bureau Scholarship Program and \$625.00 for Roy M. Kottman Scholarship Fund.
\$ 7,800.00	Hoffmann-LaRoche, Inc., Nutley, New Jersey, for Infectious Disease Fund.

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More

\$ 7,675.00	Glenbrook Labs, New York, New York, for Reye's Syndrome - Dr. J. D. Pollack.
\$ 7,500.00	Chevron Oil Research, La Habra, California, for Chemistry Research - Dr. McCreery.
\$ 7,028.77	Trust Under the Will of Melvin Moffitt, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.
\$ 7,000.00	H. C. Moores Foundation, Gahanna, Ohio, for Friends of WOSU.
\$ 6,870.38	Noel Hiatt, Columbus, Ohio--\$6,131.63 for Dentistry Advancement Endowment Fund and \$738.75 for Student Athlete Grant-in-Aid.
\$ 6,751.42	Ohio Ladies VFW Auxiliary, Columbus, Ohio, for Cancer Research Center.
\$ 6,500.00	Mosier Industry, Inc., Brookville, Ohio--\$4,000.00 for Fluid Power Fund and \$2,500.00 for Mosier Fund.
\$ 6,000.00	Raymond Mason, Venice, Florida, for Presidents Club Special Fund.
\$ 5,036.00	The Mead Corporation Foundation, Dayton, Ohio--\$3,000.00 for Electrical Engineering Chairman's Discretionary Fund; \$2,000.00 for Department of Computer and Information Science Chairman's Discretionary Fund; and \$36.00 for Friends of WOSU.
\$ 5,000.00	Ernst and Whinney, Columbus, Ohio, for Ernst & Ernst Accounting Grant.
\$ 5,000.00	Park National Bank, Newark, Ohio, for Everett D. Reese and Park National Bank Fund for Faculty of Finance.
\$ 5,000.00	Pfizer, Inc., Lees Summit, Missouri, for Pfizer Research Fellowship Fund.
\$ 5,000.00	Loren M. Berry Foundation, Dayton, Ohio, for undesignated purposes.
\$ 5,000.00	George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation Fund for Enology and Viticulture.



February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts-in-Kind

\$10,000.00 - Dwight Klump, Blissfield, Michigan, three-year old Arabian mare

\$ 7,333.33 - Landon Knight, Akron, Ohio, four-year old Thoroughbred gelding

\$ 5,500.00 - Patricia M. Barr, Inc., Akron, Ohio, six-year old Thoroughbred stallion

Establishment of Named Funds

**College of Dentistry Orthodontic Support Fund**

The College of Dentistry Orthodontic Support Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund by alumni and friends of the Orthodontic Section of the College of Dentistry.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The principal and/or income is to be used to support and advance the Orthodontic Section of the College of Dentistry.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Dentistry.

**Agronomy Teaching Improvement Fund**

The Agronomy Teaching Improvement Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts from Professor Donald E. Herr, Ph.D. 1965, in honor of his sons, John E. Herr, M.D. 1981, and Douglas E. Herr, B.S. 1980, U. S. Military Academy.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to purchase classroom and/or laboratory equipment and accessories for any medium of instruction, expendable supplies excluded. Expenses incurred

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**Agronomy Teaching Improvement Fund (contd)**

by any Agronomy faculty attending functions where the primary intent is to improve the teaching capability of the individual may also be paid. Allocation of funds will be determined by the department chairperson and the assistant chairperson.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with emphasis in agricultural education.

**Mary Jayne Dovenbarger Scholarship Fund**

The Mary Jayne Dovenbarger Scholarship Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts from family, friends and colleagues to The Ohio State University Development Fund in honor of her career as an Ashland County Extension Economist.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one scholarship each year for an Ashland County student enrolled in The Ohio State University College of Agriculture and Home Economics with a major study in Agriculture, Home Economics, or Natural Resources and an interest in the 4-H program or other Cooperative Extension work as a career choice. Should no such undergraduate student qualify, then it may be awarded to a graduate student from Ashland County preparing for a career in Cooperative Extension Service. All recipients shall demonstrate above average academic ability and/or financial need and/or leadership ability. Should there be no qualified student from Ashland County, then the scholarship may be awarded to any student from the State of Ohio preparing for a career in the Cooperative Extension Service.

Should the need for this scholarship cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics.

**Department of Home Management and Housing Endowment Fund**

The Department of Home Management and Housing Endowment Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts from alumni, faculty and friends of the Department of Home Management and Housing of the School of Home Economics.

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**Department of Home Management and Housing Endowment Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to further programs in the Department of Home Management and Housing with preference given to graduate and research programs, in that order. Expenditure of annual income will be determined by the chairperson and two faculty members of the Department of Home Management and Housing. Annual income from the endowment shall be accumulated and added to the principal until the endowment reaches a total of \$10,000. Subsequent earnings shall be distributed on the basis of eighty percent (80%) of the earnings awarded, as directed in the first sentence of this paragraph, and twenty percent (20%) of earnings returned to the principal of the endowment.

Should the need for these funds cease to exist or so diminish as to provide unused income, or should the Department of Home Management and Housing cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for consumer/family economics, equipment, home management and housing education.

**The Law Class of '65 Endowed Fund**

The Law Class of '65 Endowed Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from members of the Class of 1965 of the OSU College of Law.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to support the Class of '65 Endowed Professorship of Law. The professorship is created to recognize the work of a distinguished scholar and teacher in the College of Law. Appointment to the Class of '65 Endowed Professorship will be recommended by the Dean of the College of Law for approval by the Board of Trustees.

Until such time as this fund reaches a total to fully establish a professorship (\$250,000.00), the annual income is to be reinvested completely in the principal of the fund. The members of the Class of '65 reserve the right to request a change in the endowment description at a future date with recommendation from the Dean of the College of Law.

Should the need for this endowed fund cease to exist or so diminish as to provide unused income, then the income may be used by the Board of Trustees, with preference being given to recommendations from the person directly responsible for legal education.

February 4, 1983 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - December, 1982

#### Federal Research Contracts/Grants

\$600,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, "Resonant Structure NCTR" (Non-Cooperative Target Recognition), Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 November 1982 through 31 October 1983. (Project 762920 - Continuation)

\$380,498.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Joint Services Electronics Program, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter), 1 October 1982 through 30 September 1983. (Project 760914 - Continuation)

\$244,301.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 December 1982 through 30 November 1983. (Project 760043 - Continuation)

\$109,493.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Interaction of DNA Topoisomerase I with Chromatin, Department of Microbiology (M. T. Muller), 1 January 1983 through 31 December 1983. (Project 763392 - New)

\$101,818.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Nonnitrogen Containing Dopamine Agonists, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 December 1982 through 30 November 1983. (Project 762967 - Continuation)

\$84,240.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Regulation of Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 January 1983 through 31 December 1983. (Project 760578 - Continuation)

\$72,726.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Vasoactive Intestinal Peptide in Diagnosis of Leukemia, Department of Medicine (M. S. O'Dorisio and T. O'Dorisio), 1 December 1982 through 30 November 1983. (Project 762499 - Continuation)

\$65,343.00 - National Science Foundation, Washington, D. C., Single-Atom Peribridged Arenes and Hetarenes: Carbenic Processes, Department of Chemistry (H. Shechter), 1 December 1982 through 30 November 1983. (Project 762529 - Continuation)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$60,000.00 - National Science Foundation, Washington, D. C., Sulfide Oxidation and Mixotrophy in *Beggiatoa Alba* as an Efficient Alternative Form of Energy Metabolism, Department of Microbiology (W. R. Strohl), 15 November 1982 through 14 November 1984. (Project 763364 - New)

\$50,000.00 - National Science Foundation, Washington, D. C., Studies of Petrified Paleozoic Fungi, Department of Botany (T. N. Taylor and S. P. Stubblefield), 1 January 1983 through 31 December 1983. (Project 763394 - New)

\$37,817.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Enzyme Aging and Gene Expression in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 December 1982 through 30 November 1983. (Project 762514 - Continuation)

\$36,500.00 - National Science Foundation, Washington, D. C., Separation and Detached Eddies in Rotating, Stratified Flows, Department of Aeronautical and Astronautical Engineering (M. R. Foster), 1 December 1982 through 30 November 1983. (Project 763382 - New)

\$35,835.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, *Acanthamoeba* Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1982 through 30 November 1983. (Project 762493 - Continuation)

\$30,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1982 through 30 November 1983. (Project 760022 - Continuation)

\$30,000.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Transition-Region Heat Transfer and Rough Surface Effects on Turbo-Machine Flow Problems, Department of Mechanical Engineering (L. S. Han), 1 October 1982 through 30 April 1983. (Project 763057 - Continuation)

\$25,318.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 January 1983 through 31 March 1983. (Project 762612 - Continuation)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$25,000.00 - National Endowment for the Arts, Washington, D. C., Color Photography in the Thirties: Dominant Modes and FSA Documentary Experiments, College of the Arts - Administration (J. W. Green), 1 December 1982 through 31 December 1984. (Project 763355 - New)

\$23,000.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Advance RCS Reduction, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 October 1982 through 30 December 1982. (Project 762363 - Continuation)

\$22,211.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Experimental and Theoretical Assessment of a New Technique for the Nondestructive Evaluation of Adhesive Joints, Department of Engineering Mechanics (V. H. Kenner), 1 October 1982 through 18 October 1983. (Project 762999 - Continuation)

\$21,800.00 - National Science Foundation, Washington, D. C., Investigations into the Necessary Use of Abstract Set Theory and Constructive Aspects of Algebra, Department of Mathematics (H. M. Friedman), 1 July 1983 through 30 June 1984. (Project 762750 - Continuation)

\$20,000.00 - National Endowment for the Arts, Washington, D. C., University Gallery Art Purchase, College of the Arts - Administration (J. W. Green), 1 December 1982 through 30 June 1983. (Project 763376 - New)

\$17,300.00 - National Science Foundation, Washington, D. C., Stereochemistry of Reactions at Prochiral and Pro-Prochiral Centers - A <sup>13</sup>Carbon, Deuterium Double Labeling Approach, Department of Chemistry (H. G. Floss), 15 December 1982 through 31 December 1983. (Project 763379 - New)

\$14,000.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, A Study of the Buckling, Postbuckling Behavior and Vibrations of Laminated Composite Panels, Department of Engineering Mechanics (A. W. Leissa), 2 October 1982 through 28 February 1983. (Project 762513 - Continuation)

\$9,040.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Mental Health, Rockville, Maryland, Pupillographic Response and Average Evoked Potentials as a Measure of Information Processing in Schizophrenics and Normals, Department of Psychology (G. Berntson and C. Putchat), 22 September 1982 through 21 September 1983. (Project 763357 - New)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$6,062.00 - Department of Agriculture, Graduate School, Washington, D. C., A Study to Determine the Feasibility and Viability of Establishing a Vocational Training Institute in Peru, The National Center for Research in Vocational Education (R. E. Taylor), 1 August 1982 through 31 January 1983. (Project 763389 - New)

\$3,626.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Supplemental Funds Program for Cooperative Education, Office of Academic Affairs - Arts and Sciences Administration (T. H. Willke and M. L. Smith), 1 October 1982 through 30 September 1983. (Project 763367 - New)

\$1,433.51 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weislogel), 1 March 1982 through 15 September 1982. (Project 762359 - Continuation)

**TOTAL - FEDERAL AWARDS**

**\$2,127,361.51**

**State of Ohio Research Contracts/Grants**

\$63,234.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Parent-Professional Interaction: A Key to Parental Involvement, College of Social Work (A. Riemenschneider), 16 October 1982 through 30 September 1983. (Project 762993 - Continuation)

\$13,582.87 - State of Ohio, Department of Education, Division of Vocational Education, Career Development Service, Columbus, Ohio, Coordination of State-wide Career Education Activities, Academic Faculty of Special Services (J. J. Quaranta), 1 December 1982 through 31 March 1983. (Project 763053 - Continuation)

\$4,000.00 - Ohio Arts Council, Columbus, Ohio, Haciendo Punto en Otro Son Concert for Hispanic Awareness Week, 1983, Office of Student Life (M. D. Livingston), 1 August 1982 through 30 April 1983. (Project 763371 - New)

\$2,960.00 - Ohio Arts Council, Columbus, Ohio, Keyboard Conversation, Department of Telecommunications (D. Ouzts), 1 July 1982 through 30 June 1983. (Project 763356 - New)

\$1,909.00 - Ohio Arts Council, Columbus, Ohio, International Conference on Women, Culture and Fascism, Department of German (H. Fehervary), 1 January 1983 through 31 May 1983. (Project 763384 - New)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$1,183.00 - Ohio Arts Council, Columbus, Ohio, Publication Support for the *Ohio Journal*, Department of English (W. W. Allen), 1 July 1982 through 30 June 1983. (Project 763369 - New)

**TOTAL - STATE OF OHIO AWARDS**

**\$ 86,868.87**

**Industrial Research Contracts/Grants**

\$219,225.00 - American Matrix, Inc., Tampa, Florida, Stereological Computer-Assisted Fluorometry: Development of Techniques for Analysis of Biological Material, Comprehensive Cancer Center (L. D. Tomei) and Department of Electrical Engineering (S. A. Collins, Jr.), 1 December 1982 through 30 November 1983. (Project 763373 - New)

\$25,000.00 - Abt Associates, Inc., Cambridge, Massachusetts, Preparation of a Final Report of the Youth Incentive Entitlement Pilot Projects (YIEPP), Department of Economics (R. J. Olsen), 1 September 1982 through 30 June 1983. (Project 763338 - New)

\$20,806.00 - Eastman Kodak Company, Eastman Chemicals Division, Kingsport, Tennessee, Effect of Combinations of Rumen-Stable Methionine and Lysine on Feedlot Performance of Beef Calves, Department of Animal Science (OARDC) (S. C. Loerch), 29 November 1982 through 30 June 1983. (Project 763391 - New)

\$13,767.00 - Woodroof Laboratories, Inc., Santa Ana, California, Evaluation of Vascular Graft Prosthesis, Department of Surgery (J. F. Cornhill and W. L. Smead), 1 December 1982 through 31 January 1983. (Project 763383 - New)

\$12,500.00 - Madison County Hospital, London, Ohio, Madison County Hospital Internship Project, Academic Faculty of Special Services (J. J. Quaranta), 15 December 1982 through 31 August 1983. (Project 763381 - Continuation)

\$5,996.00 - Chemical Abstracts Service, Division of the American Chemical Society, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. Shulman), 15 December 1982 through 15 March 1983. (Project 762213 - Continuation)

\$1,000.00 - CSG Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 December 1982 through 28 February 1983. (Project 763026 - Continuation)

**TOTAL - INDUSTRIAL AWARDS**

**\$ 298,294.00**



February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Private and Other Non-Federal Research Contracts/Grants**

\$427,554.00 - Midwestern Universities Consortium for International Activities, Inc., University of Illinois, Champaign, Illinois, Office of International Programs in Agriculture (H. D. Bauman and D. E. Herr), 22 September 1982 through 26 October 1986. (Project 763368 - New)

\$215,870.00 - Michigan State University, East Lansing, Michigan, Technical Assistance - Natural Resource Management, Dominican Republic, Office of International Programs in Agriculture (D. O. Hansen), 1 November 1982 through 31 July 1986. (Project 763365 - New)

\$149,300.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Interprofessional Development of Clinical and Continuing Education by the Commission on Interprofessional Education and Practice, Academic Faculty of Educational Administration (L. Cunningham), 1 October 1982 through 30 September 1983. (Project 762825 - Continuation)

\$52,000.00 - The Gas Research Institute, Chicago, Illinois, Limitations on the Efficiency of the Solar Photoreduction of Carbon, Department of Biochemistry (R. T. Ross), 1 January 1983 through 31 December 1983. (Project 763124 - Continuation)

\$28,418.56 - National Association of Regulatory Utility Commissioners, Washington, D. C., NARUC State Member Support of the NRRRI through Regularized State-Provided Contributions, National Regulatory Research Institute (D. N. Jones), 1 July 1982 through 30 June 1983. (Project 763289 - Continuation)

\$27,223.09 - National Association of Regulatory Utility Commissioners, Washington, D. C., NARUC State Member Support of the NRRRI through Regularized State-Provided Contributions, National Regulatory Research Institute (D. N. Jones), 1 July 1982 through 30 June 1983. (Project 763289 - Continuation)

\$26,027.00 - AARP Andrus Foundation, Washington, D. C., The Relationship of "Attachment to Home" and Other Factors to the Residential Choices of Recent Widows, Department of Family Relations and Human Development (S. L. O'Bryant), 1 January 1983 through 31 December 1983. (Project 763388 - New)

\$24,413.00 - Oklahoma Advisory Council for Vocational Education, Oklahoma City, Oklahoma, Third Party Assessment of the Planning and Evaluation Systems of the Oklahoma State Department of Vocational and Technical Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 December 1982 through 31 March 1983. (Project 763375 - New)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Private and Other Non-Federal Research Contracts (contd)**

\$23,899.00 - New Mexico Institute of Mining and Technology, Socorro, New Mexico, A Proposed Subcontract for Research on the Volcanic and Climatic Record of Antarctic Ice Cores, Institute of Polar Studies (E. Mosley-Thompson and D. H. Elliot), 1 January 1983 through 31 December 1983. (Project 763009 - Continuation)

\$23,550.00 - Iowa State University, Ames Laboratory, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 October 1982 through 31 March 1983. (Project 763374 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Atherosclerosis: Proliferation of Aorta Smooth Muscle Cells, Department of Physiological Chemistry and College of Medicine - Administration (D. G. Cornwell), 1 December 1982 through 30 November 1983. (Project 763366 - New)

\$17,620.00 - Upper Arlington Schools, Upper Arlington, Ohio, Career Education Intern Program, Academic Faculty of Special Services (J. J. Quaranta), 1 September 1982 through 1 June 1983. (Project 763378 - Continuation)

\$17,600.00 - Iowa State University, Ames Laboratory, Ames, Iowa, Elastic Wave Scattering by Flaws for Application in NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 1 October 1982 through 31 March 1983. (Project 763372 - Continuation)

\$17,350.00 - Upper Arlington Schools, Upper Arlington, Ohio, Subcontract for Direct Services and Instruction for Upper Arlington City Schools Demonstration and Validation of a Comprehensive Career Education Project (USOE), Academic Faculty of Special Services (J. J. Quaranta), 1 August 1982 through 28 February 1983. (Project 763377 - Continuation)

\$16,000.00 - Eight Members of the National Alliance of Postsecondary Education Institutions/Districts, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 30 June 1983. (Project 763137 - Continuation)

\$9,714.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Kellogg National Fellowship Program, Department of City and Regional Planning (S. I. Gordon), 1 September 1982 through 31 August 1983. (Project 762906 - Continuation)

\$9,000.00 - Aga Khan Program for Islamic Architecture, Massachusetts Institute of Technology, Cambridge, Massachusetts, Equipment Purchase for East Indian/Bangladesh Islamic Architecture Photography Project, Department of History of Art (S. L. Huntington), 1 October 1982 through 30 September 1983. (Project 763349 - New)

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Private and Other Non-Federal Research Contracts/Grants (contd)**

\$4,628.00 - Kansas State Department of Education, Topeka, Kansas, Funding Alternatives for Area Vocational Schools in Kansas, The National Center for Research in Vocational Education (R. E. Taylor), 13 December 1982 through 15 June 1983. (Project 763380 - New)

**TOTAL - PRIVATE AND OTHER NON-FEDERAL AWARDS** **\$1,108,166.65**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$6,876.00 - Ohio Department of Transportation, Columbus, Ohio, for Extension 2 of "Guidelines for Left-Turn Treatments at Fully Actuated Signal Controlled Intersections," Transplex in the Department of Civil Engineering, October 1, 1982 through March 31, 1983. (EES 529091, Extension 2)

**Industrial and Other Sponsored Research and Development**

\$14,000.00 - ANACONDA Division of American Brass, Rolling Meadows, Illinois, for "Phase I: Laser Welding of Copper Alloys," Department of Welding Engineering, December 1, 1982 through March 31, 1983. (EES 529630)

\$82,721.00 - Thirty-seven sponsors for 43 development projects under the direction of 7 engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$96,721.00**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contract/Grant**

\$10,000.00 - U. S. Department of Agriculture, Agricultural Research Service, Washington, D. C., support of a study on comprehensive program planning and development for Food and Agriculture Higher Education Programs - Home Economics, December 1, 1982 to November 30, 1986. (Cooperative Agreement No. 58-32R6-3-156)

**Gifts of \$5,000 or More**

\$8,802.00      Ohio Florists Association, Columbus, Ohio  
\$5,000.00      ICI Americas Inc., Wilmington, Delaware

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Gifts of \$5,000 or More

\$91,718.75	Wayne English, Washington, D. C., for Wayne G. English Fund.
\$57,339.23	Harry Ansel, Fort Lauderdale, Florida--\$28,669.62 for Mildred H. Ansel Scholarship Fund and \$28,669.61 for Harry R. Ansel Scholarship.
\$55,024.00	Shell Companies Foundation, Houston, Texas--\$17,524.00 for Shell Doctoral Fellowship; \$7,500.00 for Shell Companies Foundation Fund for Chemical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Metallurgical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Electrical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Chemistry; and \$7,500.00 for Shell Graduate Aid for Computer and Information Science in Engineering.
\$36,955.88	Mrs. Horatio Ebert, Medina, Ohio, for Cancer Research.
\$30,269.07	Orlean Skelton, Washington, D. C., for Dental Alumni Loan Fund.
\$30,000.00	Yassenoff Endowment, Columbus, Ohio, for Yassenoff Chair - Philosophy.
\$22,000.00	Gynecic Research/Education Fund, Columbus, Ohio, for Education, Publication, and Research - OBS Fund.
\$17,253.56	Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
\$17,248.00	General Motors, New York, New York, for General Motors Corporation Scholarship.
\$16,889.00	University Eye Surgeons, Inc., Columbus, Ohio--\$16,750.00 for Eye Bank Fund and \$139.00 for Ophthalmology Photography Fund.
\$14,325.00	Ruth Wilson, Westerville, Ohio, for James Hay and Ruth Wilson Professorship in Cardiology.
\$13,900.00	Ohio Dairy Farm Foundation, Inc., Columbus, Ohio, for Ohio Dairy Research.
\$13,500.00	Kellogg Foundation, Battle Creek, Michigan, for Kellogg-Jackson Fund.

February 4, 1982 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

\$12,500.00	Warner Amex Cable Communications, Inc., Columbus, Ohio, for College of Art Support Fund.
\$12,162.50	Joseph Cullman, New York, New York, for Cullman Symposium Fund.
\$12,000.00	Mead Johnson and Company, Evansville, Indiana, for Cardiovascular Research.
\$10,000.00	Center for Economic Education of Central Ohio, Columbus, Ohio, for Economic Education.
\$10,000.00	J. Dinius, Findlay, Ohio, for J. Parker and Kathryn Webb Dinius Fellowship.
\$10,000.00	Evans (Bob) Farms, Inc., Columbus, Ohio, for Chair in Food Industry.
\$10,000.00	Ohio Veterinary Medical Association, Second District, Botkins, Ohio, for Veterinary Medicine Services Fund.
\$10,000.00	Pulmonary Association, Columbus, Ohio, for Pulmonary Fund.
\$ 8,800.00	Phillips Petroleum Company, Bartlesville, Oklahoma, for Phillips Petroleum Company Fellowship.
\$ 8,000.00	Atlantic Rich Company, Los Angeles, California, for Arco Graduate Fellowship Fund.
\$ 7,280.00	Cincinnati Milacron, Cincinnati, Ohio, for Cincinnati Milacron Foundation.
\$ 6,100.00	Mario Fontana, Iron Mountain, Michigan, for Mars G. Fontana Endowment.
\$ 5,625.00	American Lung Association of Central Ohio, for Pulmonary Fund.
\$ 5,600.00	American Critical Care, Division of American Hospital Supply Corporation, McGaw Park, Illinois, for Research Foundation.
\$ 5,347.60	Antique Show and Sale, Columbus, Ohio, for Presidents Club Special Fund.

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 5,025.00 Richard Goldthwait, Anna Maria, Florida--\$5,000.00 for Friends of Polar Study and \$25.00 for Faculty Club Building Fund.
- \$ 5,000.00 William Banks, Houston, Texas, for Torrence Makley Fund.
- \$ 5,000.00 Hans Bredemeyer, Springfield, Ohio, for Torrence Makley Fund.
- \$ 5,000.00 Walter Kidd, Baltimore, Maryland--\$2,500.00 for Architecture School and \$2,500.00 for OSU National Merit Scholarship.
- \$ 5,000.00 Landmark, Inc., Columbus, Ohio, for Professorship in Plant Protection.
- \$ 5,000.00 Jerrold Levin, Cincinnati, Ohio, for Torrence Makley Fund.
- \$ 5,000.00 Ohio Lions Eye Foundation, Columbus, Ohio, for Institute Research - Vision.
- \$ 5,000.00 Plaskolite, Inc., Columbus, Ohio, for Plaskolite Fund.

Gift-in-Kind

- \$22,100.00 Glen Petry, Greenville, Ohio, Sarouk Persian Rug

Establishment of Named Funds

The Martha Brian Fellowship in Journalism

The Martha Brian Fellowship in Journalism was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the OSU School of Journalism alumni, colleagues, friends and relatives, including Dr. and Mrs. C. J. Brian, parents of the late Professor Brian, and the family of her brother, Mr. and Mrs. C. J. Brian, Jr.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be added to the principal until the fund reaches \$60,000 or until February 1, 1984. At that time, the income is to be used to provide fellowship support for a Graduate Teaching Associate in the School of Journalism.

February 4, 1983 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds**

##### **The Martha Brian Fellowship in Journalism (contd)**

The Fellows will be selected on the basis of past academic achievement and interest and ability in reporting. Also to be considered by the School of Journalism faculty selection committee will be the promise of success in the field of reporting and the potential for providing future leadership in journalism. The selection of the recipient is to be made by a committee of graduate faculty members of the School.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for journalism education.

##### **The Allan I. Gordon Undergraduate Scholarship for Study in Biochemical Engineering**

The Allan I. Gordon Undergraduate Scholarship for Study in Biochemical Engineering was established February 4, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Allan I. Gordon, B.Ch.E. '35, M.S. '39.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduates who are at least seniors majoring in chemical engineering and who have demonstrated an interest in organic chemistry, biochemistry, or biochemical engineering. Scholarship candidates should have demonstrated high academic achievement and preferably be a member of the Tau Beta Pi, the honorary engineering society. The selection of the recipient is to be made by the Dean of the College of Engineering upon the recommendation of the Chairperson of the Department of Chemical Engineering.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for chemical engineering education.

February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**The Jane S. Ward Medical Research Fund**

The Jane S. Ward Medical Research Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund in loving memory of Jane Struthers Ward by her husband, Vernon G. Ward, formerly of The Ohio State University Research Foundation and the Department of Aeronautical Engineering, by her daughter and husband, Susan L. and Gary J. Morgan, her son, David M. Ward, B.S., Biology, 1971, and his wife, Nancy M. Ward, B.S., Home Economics, 1971, and by other family and friends.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

Each year eighty percent (80%) of the annual income from the fund is to be used for the support of medical research in the area of cirrhosis of the liver and associated ascites, or other related medical areas. The remaining twenty percent (20%) is to be added to The Jane S. Ward Medical Research Fund principal.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for medical research.

**The Francis R. Aumann Fund**

The Francis R. Aumann Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, friends and associates of Emeritus Professor Aumann.

All gifts are to be invested in the University's permanent endowment fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as the case dictates.

The annual income is to be used to aid students at The Ohio State University Department of Political Science particularly to promote and reward excellence in scholarship, and to promote the academic goals of the department as determined by the chairperson.

Should the need for the Francis R. Aumann Fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for political science education.



February 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**Seneca Buckeye Alumni Scholarship Fund**

The Seneca Buckeye Alumni Scholarship Fund was established February 4, 1983, by the Board of Trustees of The Ohio State University with gifts from alumni and friends of Seneca County to The Ohio State University Development Fund.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as the occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students from Seneca County enrolled in The Ohio State University. The selection of the recipient is to be made by the University Committee on Student Financial Aids upon recommendation of a selection committee from the Seneca County Alumni Club.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships and student financial aids.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 83-80

**ENERGY MODIFICATIONS - LAUNDRY BUILDING (ECM 9)**

*Synopsis: Authorization to employ an engineering firm and request construction bids is proposed.*

WHEREAS The Ohio State University has been selected by the U. S. Department of Energy to receive funding under Title III Cycle IV of the Department of Energy's Federal Institutional Grants Program; and

WHEREAS this grant will provide fifty percent funding for the energy modification project for the Laundry Building, with the other fifty percent being funded from the University's Office of Business Management for a total project cost of \$54,350; and

February 4, 1983 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**ENERGY MODIFICATIONS - LAUNDRY BUILDING (ECM 9) (contd)**

WHEREAS this energy conservation measure provides for the installation of heat recovery coils in the boiler stacks at the Laundry, which lowers the temperatures in the existing stacks, thus prolonging the life cycle usage of same while providing a source of recoverable heat to be utilized in preheating domestic water requirements at the laundry units with a payback in approximately two years and nine months:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Finance be authorized to proceed to select a qualified engineering firm for this project in conjunction with the Department of Administrative Services and that the fees for this engineering service be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the foregoing resolution was adopted by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-81

*Synopsis: Approval of plans and specifications for the following projects is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**MOLLY CAREN AGRICULTURAL CENTER, FARM SCIENCE REVIEW SITE -  
ELECTRICAL DISTRIBUTION SYSTEM**

Project: Install primary and secondary electrical power distribution system to provide electric service for the Farm Science Review operation.

Funding: Local University line of credit

Estimated Project Cost: \$300,000.00

February 4, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**MASONRY REPAIRS - MANSFIELD REGIONAL  
CAMPUS AND LIMA REGIONAL CAMPUS**

Project: Due to deterioration, repairs are necessary to exterior masonry of Ovalwood Hall at the Mansfield Regional Campus and Galvin Hall at the Lima Regional Campus.

Funding: H.B. 552, Branch Campus - Utilities and Renovation

Estimated Project Cost: \$173,000.00

**ROOF REPLACEMENT AND REPAIRS - REGIONAL CAMPUSES  
LIMA TECHNICAL BUILDING AND MARION TECHNICAL BUILDING**

Project: Due to weather related deterioration, two roofs over the main building and the equipment room at the Lima Technical Building need to be replaced.

Also, louvers and flashing on the north and south walls of the Mechanical Room at the Marion Technical Building need to be repaired, replaced, and reinstalled.

Funding: H.B. 552, Branch Campus - Utilities and Renovation

Estimated Project Cost: \$160,000.00

**ELECTROSCIENCE LABORATORY - STORAGE ROOM ADDITION**

Project: Due to construction of a new generation of precision radar measurement research facility, additional space is necessary for location of peripheral equipment and target models.

Funding: Budget Account 885188

Estimated Project Cost: \$56,197.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

February 4, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

Mr. Jackson:

Mr. President, Dr. Firebaugh is here with an overhead view of the Farm Science Review which had some discussion this morning--if it is the pleasure of the Board to present that.

President Jennings: Dr. Firebaugh.

Dr. Firebaugh:

Mr. Chairman, Members of the Board of Trustees, and President Jennings. We are pleased with your continued interest in Farm Science Review and in our relocation at the Molly Caren Agricultural Center. Craig Fendrick, who is our manager for the Farm Science Review, has turned on the overhead, if you would direct your attention there. You will recall the site is in Madison County and the work that has been done so far is primarily in the region south of 70 and north of 40. The electrical work which you are about to vote on will be for the improvement in the exhibit area. I wonder if there are specific questions that Craig or I might address in relation to this overall plan. I should add that our current use of the facility will be for Farm Science Review. We are taking a still longer range look at the site for possible additional uses of the Center but our initial use will be for Farm Science Review and Craig and I would be happy to address any specific questions.

Mr. Havens: What is the access point off of Route 70?

Dr. Firebaugh: Craig, would you show the other transparency and give the access point?

Mr. Fendrick:

The access point actually off of 70--the access to the Review site is truly off of U. S. 40. We will access at 42 and 70 and 56 and 70, so that access points will actually come from 70 to the old National Road.

Dr. Firebaugh: Are there other questions that we might address?

President Jennings: I think that is all.

Dr. Firebaugh: We will look forward to seeing you at the Farm Science Review.

President Jennings: I bet I know at least one that will be there.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous roll call vote.

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February 4, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-82

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**BULK CHEMICAL WAREHOUSE**

Description: This project will provide space to house a bulk chemical warehouse, laboratory reagent manufacturing facility, and a low-level radioactive waste processing facility to prepare the materials for shipment to disposal sites in accordance with Federal and other regulations.

**General Contract**

Date Received:	November 30, 1982
No. of Bids:	13
Low Bid:	\$ 575,900.00
High Bid:	\$ 709,925.00
Estimate of Cost:	\$ 644,494.00
Awarded to:	M & P Construction Co., Inc., Blacklick, Ohio

**Plumbing Contract**

Date Received:	November 23, 1982
No. of Bids:	8
Low Bid:	\$ 88,600.00
High Bid:	\$ 123,700.00
Estimate of Cost:	\$ 108,806.00
Awarded to:	Radico, Inc., Columbus, Ohio

February 4, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**BULK CHEMICAL WAREHOUSE (contd)**

**Fire Protection Contract**

Date Received:	November 23, 1982
No. of Bids:	6
Low Bid:	\$ 127,254.00*
High Bid:	\$ 181,900.00
Estimate of Cost:	\$ 126,174.00
Awarded to:	Capital Fire Protection Co., Columbus, Ohio

**Heating, Ventilating and Air Conditioning Contract**

Date Received:	November 23, 1982
No. of Bids:	9
Low Bid:	\$ 335,290.00
High Bid:	\$ 446,515.00
Estimate of Cost:	\$ 353,000.00
Awarded to:	Radico, Inc., Columbus, Ohio

**Electrical Contract**

Date Received:	November 23, 1982
No. of Bids:	11
Low Bid:	\$ 167,761.00
High Bid:	\$ 249,000.00
Estimate of Cost:	\$ 217,050.00
Awarded to:	Seco Electric Co., Columbus, Ohio

\*Fire Protection Contract is in excess of filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

February 4, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**BULK CHEMICAL WAREHOUSE (contd)**

Total All Contracts:	\$1,294,805.00
Total Contingency Allowance:	\$ 69,431.02 which is 5 percent of construction contract
Total Project Cost:	\$1,539,409.82
Funding:	Budget Account 882046

**CANCER INSTITUTE HOSPITAL (SANITARY SEWER RELOCATION)**

Description: To prepare the site for the actual construction and to alleviate the limitations to pedestrian and vehicular movement to and from the University Hospital and adjacent buildings. This will relocate the sanitary sewer from the building site without interruption of existing service.

**General Contract**

Date Received:	December 8, 1982
No. of Bids:	4
Low Bid:	\$51,170.00
High Bid:	\$73,300.00
Estimate of Cost:	\$55,000.00
Awarded to:	Complete General Construction
Total Contract:	\$51,170.00
Total Contingency Allowance:	\$ 5,117.00 which is 10 percent of construction cost
Total Project Cost:	\$67,373.50
Funding:	Am. Sub. H.B. 552

February 4, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

**OHIO UNION PARKING RAMP - INSTALLATION OF NEW  
13.8KV ELECTRICAL SERVICE**

Description: Installation of primary 15KV 3-phase electrical service from Sullivant Hall. By transferring this electrical load from a direct utility company service to the University's distribution system, it is estimated that a \$9,000 annual savings will be made.

**Electrical Contract**

Date Received:	December 1, 1982
No. of Bids:	7
Low Bid:	\$35,985.00
High Bid:	\$59,990.00
Estimate of Cost:	\$38,150.00
Awarded to:	Frush & Homan, Columbus, Ohio
Total Contract:	\$35,985.00
Total Contingency Allowance:	\$ 4,800.00 which is 5 percent of construction contract
Total Project Cost:	\$43,137.90
Funding:	Budget Account 885178 (Local)

**FONTANA LABORATORY - EXTERIOR MASONRY REPAIRS**

Description: Remove all sealant from around all masonry openings and reseal with an elastomeric sealant. Cut out all stone to stone, stone to brick, stone to metal and brick to metal joints and reseal. Cut a control joint on the north elevation of the building and seal with an elastomeric sealant. This will make the building weather tight and prolong the life of the building.

**General Contract**

Date Received:	November 17, 1982
No. of Bids:	8
Low Bid:	\$13,350.00
High Bid:	\$21,612.00
Estimate of Cost:	\$20,600.00
Awarded to:	Charbetz, Inc., Columbus, Ohio



February 4, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**FONTANA LABORATORY - EXTERIOR MASONRY REPAIRS (contd)**

Total Contract: \$13,350.00  
Total Contingency Allowance: \$ 3,184.64 which is 24 percent of construction contract  
Total Project Cost: \$17,500.00  
Funding: Budget Account 210134 (Local)

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

President Jennings:

Mr. Jackson there was a question on the contingency on the Fontana Laboratory. Perhaps you would respond to that at this stage.

Mr. Jackson:

I will attempt to respond. The reason that the contingency is of the magnitude that it is, is because the people who are responsible for this--these plans and specifications were put together late last year--and with another winter and with the bids it was hoped that after examination if there was additional damage as a result of the additional freezing and thawing that this would give them an appropriate contingency with which to expand the contract if appropriate. If additional work is not required then obviously the additional funds would not be expended but it really was the addition of another winter that was causing the size of that particular contingency.

President Jennings: Mr. Havens?

Mr. Havens: I accept that.

Upon motion of Mr. Havens, seconded by Mr. Hilliker, the foregoing resolution was adopted by unanimous roll call vote.

President Jennings:

Mr. Chairman, I think it is very important to note that in the contracts awarded for the Cancer Institute to clear the ground. As you know, the Governor referred to the escalating medical costs in this state in his Tuesday's speech which we are all very conscious of and spoke of a moratorium on hospital construction throughout the state. I think it is very important to note that the Cancer Institute is a research facility and that it has already begun and that that moratorium would not apply to this facility.

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February 4, 1983 meeting, Board of Trustees

**SALE OF PROPERTY - 116.2 ACRES (HENDERSON FARM)  
PLEASANT TOWNSHIP, FRANKLIN COUNTY, OHIO**

Resolution No. 83-83

*Synopsis: Sale of the University's interest in the remaining 116.2 acres of the Henderson Farm in Pleasant Township of Franklin County is proposed.*

WHEREAS on September 3, 1982, the Board of Trustees authorized the sale of the University's interest in the remaining 116.2 acres of the Henderson Farm to the Board of Park Commissioners of the Columbus and Franklin County Metropolitan Park District; and

WHEREAS the Board of Park Commissioners has subsequently expressed the desire that title to this property be taken by The Nature Conservancy and The Nature Conservancy, contingent upon The Nature Conservancy receiving an assignment from the Board of Park Commissioners, has offered to purchase the property at the same price (\$255,600.00) and on the same terms and conditions as were previously authorized by this Board; and

WHEREAS it is the desire of this Board to accept the offer of The Nature Conservancy and sell all of this Board's right, title, and interest in and to the 116.2 acre portion to The Nature Conservancy; and

WHEREAS the Treasurer of the University, as Trustee for the Margery W. Henderson Charitable Remainder Annuity Trust, also has agreed to sell the Trust's interest in the 116.2 acres to The Nature Conservancy, is in agreement as to the selling price, and has authorized the University to proceed on his behalf:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to sell, in the name of the Board of Trustees of The Ohio State University, all of the University's right, title and interest in and to the remaining 116.2 acre portion of the Henderson Farm to The Nature Conservancy.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the foregoing resolution was adopted with eight affirmative votes and Mr. Galbreath abstaining.

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**EASEMENTS  
OHIO POWER COMPANY  
UNITED TELEPHONE COMPANY OF OHIO**

Resolution No. 83-84

*Synopsis: Renewal of utility easements on the Lima Campus are proposed.*

WHEREAS in 1967 the University granted to United Telephone of Ohio and Ohio Power Company easements, 3967.22 feet in length and 45 feet wide, on the west side of Mumaugh Road on the Lima Regional Campus for the purpose of servicing University buildings; and

February 4, 1983 meeting, Board of Trustees

**EASEMENTS  
OHIO POWER COMPANY  
UNITED TELEPHONE COMPANY OF OHIO (contd)**

WHEREAS these easements expired on November 12, 1982, and the University has received requests from the Ohio Power Company and United Telephone Company of Ohio to renew the easements for a period of fifteen years upon the same terms and conditions as the original easements; and

WHEREAS the standard rate for consideration of said easements recommended by the Department of Administrative Services is \$1,115.85; and

WHEREAS the utility lines for which the easements are requested serve only University facilities; and

WHEREAS the appropriate University agencies have recommended that these easements be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easements.

Upon motion of Mr. Immke, seconded by Mr. Berry, the foregoing resolution was adopted by unanimous roll call vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-85

RESOLVED, That the report on the University's Investment Portfolio, dated January 21, 1983, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, March 4, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-SEVENTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 4, 1983

The Board of Trustees met at its regular monthly meeting on Friday, March 4, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: John D. Jacob, Vice Chairman, D. James Hilliker, Daniel M. Galbreath, Edmund C. Redman, John W. Berry, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

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March 4, 1983 meeting, Board of Trustees

Dr. Jacob, Vice Chairman, called the meeting of the Board of Trustees to order at 11:50 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: John D. Jacob, D. James Hilliker, Daniel M. Galbreath, Edmund C. Redman, John W. Berry, and Shirley D. Bowser.

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Dr. Jacob, Vice Chairman, reconvened the meeting at 1:30 p.m., and called on President Jennings to present his agendas.

President Jennings:

Yes, thank you, Mr. Chairman. I would like to call on Vice President Diether Haenicke to report on the graduate-professional education ratings that were recently completed at the national level.

#### AN ASSESSMENT OF RESEARCH-DOCTORATE PROGRAMS IN THE UNITED STATES

Dr. Haenicke:

Mr. President, members of the Board, I would like to give you a brief report on the charts that you will find assembled in the blue folder that by now should be in front of your seats, and let me make the following observations.

Once during every decade, the American academic community engages in a widely debated ritual called 'A Rating of Graduate Programs.' These ratings are sponsored by different agencies. A report produced by Roose-Anderson and sponsored by the American Council on Education was issued some ten years ago and hotly debated at the time, but provided for many years the basis for a reputational assessment of Ph.D. programs in this country.

The latest attempt to rate Ph.D. programs was sponsored by the Conference Board of Associated Research Councils, which included the American Council on Education, the National Research Council, and the Social Science Research Council. This study 'focuses only on programs awarding research doctorates and their effectiveness in preparing students for careers in research. . . . Other purposes of graduate education are acknowledged to be important,' but they are not considered in this assessment.

Disciplines were chosen from the biological, mathematical, physical, social, and behavioral sciences; the arts and humanities; and engineering. The disciplines included were chosen primarily on the basis of the number of doctorates produced. They finally chose 32 disciplines. Ohio State offers Ph.D.s in 84 separate programs of which 38 were assessed. The reason the number of Ohio State programs included exceeds the number of disciplines is that in some of the physical and biological sciences we have more than one program related to a given discipline.

March 4, 1983 meeting, Board of Trustees

**AN ASSESSMENT OF RESEARCH-DOCTORATE  
PROGRAMS IN THE UNITED STATES (contd)**

Dr. Haenicke (contd):

Examples:        Botany and Plant Pathology  
                      Biochemistry and Physiological Chemistry

In each discipline, programs invited to participate in the study were those that accounted for at least 90 per cent of the doctorates awarded in that field FY 1976-1978. This means that all of the large major comprehensive universities like Ohio State were involved, as well as many of the smaller more specialized universities and institutes like the California Institute of Technology.

In contrast to the Roose-Anderson study (1970) that focused solely on subjective reputational ratings, this study provided 12 measures for all disciplines.

- Three measures on the size of each program in terms of faculty, current enrollment, and number of recent Ph.D. graduates.
- Four measures of characteristics of those program graduates.
- Four questions asking the faculty invited to rate each program about their perceptions of the quality and effectiveness of the program, recent change in the quality of the program, and their degree of familiarity with the program.
- An index of Library size.

In addition, for the sciences and engineering there were:

- 2 measures of research support and
- 2 measures of publication.

Each participating university was invited to recommend members of its doctoral faculty in each discipline to serve on that discipline's panel of reputational raters. No rater rated his own program.

The relative rating of our University in this latest study has attracted the attention of the local press and has led to significant debate among the faculty and various other groups on campus. Although the authors of the study warned against focusing on a single program measure, the interest in the public and the academic media--as expected--has focused on measure 8: 'The scholarly quality of program faculty.' It should be understood that among all the 'reputational' measures this one, the quality of the doctoral faculty, draws the most intensive discussion in academic circles and is probably at the same time the most difficult one to document. However, the reputations of departments are largely based on this measure.

March 4, 1983 meeting, Board of Trustees

## AN ASSESSMENT OF RESEARCH-DOCTORATE PROGRAMS IN THE UNITED STATES (contd)

Dr. Haenicke (contd):

We believe that, unless they have direct knowledge, graduate students choose departments more frequently than not with regard to this particular aspect; and we similarly believe that faculty advising undergraduates about taking graduate studies at other institutions are largely guided by this reputational factor, I am, therefore, basing this presentation today exclusively on this particular aspect.

The following nine charts which you will find in the booklet on your desks have been compiled by Dean Poland of the Graduate School, and I would like to offer some brief comments on each of the charts.

1. This chart presents a summary showing the overall ratings for the Big 10 universities and the universities in the State of Ohio together with the number of programs rated in each university. The summary shows that Ohio State and six of the nine other Big 10 universities have overall ratings of 'good' across the whole spectrum of disciplines rated. The highest possible rating any program could receive was 'distinguished,' which necessitated a mean rating of 4.6 or better. The highest possible rating was 5.

What this chart further shows is that The Ohio State University had more programs rated than any other university represented in this table. It also clearly indicates that it has the strongest academic programs of all universities in this state.

2. Chart 2 shows the ratings of Ohio State's individual programs. Of the 38 programs rated, two are considered strong, 23 are rated good, and 13 are rated adequate. I think we can take particular pride in this assessment which tells us that not a single one of our Ph.D. programs has a reputation of being marginal and that the majority of them are considered 'good' or 'strong.'
3. Chart 3 shows a comparison of overall Big 10 rankings based on ratings from the Roose-Anderson report (1970) and this new study. What it shows is that the general scene, as far as reputational rankings in the various disciplines go, has remained significantly stable.

The next five charts are graphic displays of our programs by college or discipline groupings. Each display shows Ohio State's reputational rating in the context of the highest and lowest rating for that discipline within the Big 10 universities.

4. Chart 4 shows the various disciplines grouped under the arts and humanities. In eight out of nine fields we are well within the envelope of our sister institutions.

March 4, 1983 meeting, Board of Trustees

**AN ASSESSMENT OF RESEARCH-DOCTORATE  
PROGRAMS IN THE UNITED STATES (contd)**

Dr. Haenicke (contd):

5. Chart 5 shows the basic life sciences. Here the picture is slightly different. In six out of nine fields we find ourselves outside the envelope of our sister institutions. However, we should note that even in this area, two programs are rated 'good' and the other four are rated 'adequate.'
6. Chart 6 shows a very positive picture of the mathematical and physical sciences. Each and every one is well within the envelope of the Big 10 with chemistry rated very high.
7. Chart 7 shows the social and behavioral sciences which house geography, one of the two departments in the University rated as strong. Again, all departments rated are well within the envelope of the sister institutions with the exception of anthropology; but again note that the Anthropology Department is rated adequate in the overall assessment.
8. Chart 8 shows the doctoral programs rated in the College of Engineering. Again, the picture is most pleasing since all of our programs are well within the envelope.

As I said in the beginning, the reputational ratings are very difficult to substantiate and document, and it is nearly impossible to achieve broad consensus on these ratings in the academic world. The temptation to use these 'ratings' and change them into 'rankings' will always remain strong. I would, and so would most of my colleagues, discourage a straight-out 'ranking' of universities or even particular disciplines based on this one selected reputational measure. The range of measures used in this particular survey is broad, and it takes significant statistical knowledge and sophistication to interpret the very complex data compiled in these five volumes.

What is perhaps a good question to ask at the end of these observations is: 'In what group of universities are we settled if we look at the overall picture of institutions of higher learning in the United States?' For this purpose, Chart 9 is included with a statement from John Williamson in the *Miami Herald*. If one were to pick the top 30 U. S. universities (and let us remember that we are now talking about close to 200 *bona fide* universities in this country), the name of our university would, in the opinion of most serious scholars, typically come up in such a list. The chart with the title 'Pecking Order of the Elite' gives a suggested picture of the leading research institutions in the nation, Ohio State University being one of them. As you study the list you will see that it includes the names of the famous private institutions whose history extends much further into the past than ours, whose funding is very different, and whose mission clearly differentiates them from ours. I think we can take significant pride in the fact that if you separate the private from the public institutions we are clearly among the country's most prominent public land-grant institutions.



March 4, 1983 meeting, Board of Trustees

**AN ASSESSMENT OF RESEARCH-DOCTORATE  
PROGRAMS IN THE UNITED STATES (contd)**

President Jennings:

Mr. Chairman, I asked our people to put this together so that we could attempt to put The Ohio State University in a context where we stand not only regionally, but nationally. It is important to emphasize the caveats that Diether has put on this; this is--these are very difficult items to measure. As I am sure first of all, all of you are aware now, while this was 32 programs, it's enormously important to recognize that this is less than half of the graduate programs at Ohio State University, that even this analysis does not include the extent, the extensive nature of Ohio State. I think it is also important as Diether mentioned that of--in Chart 9, of the thirty universities mentioned in Chart 9 roughly fifteen are private institutions or roughly half are private institutions, with a substantially, substantially different mission and responsibility than exists in the public sector. It is enormously important to recognize that when you are ranking graduate schools and when you rank schools like Ohio State and another private institution, we are an institution with roughly 47,000 undergraduate students compared to some of the lesser institutions on the east coast that you see there, you couldn't put three or four of them together and get that many undergraduate students--very important to recognize that as well as the private activity. Terminology is also important. You heard Dr. Haenike mention the 'adequacy' of several programs; the term 'adequate' was used. But that is 'adequate' within a context of the major universities of America. It is not within a context of 'adequate' within the industry of higher education, it is within the major, major institutions of America. To be adequate in--with that sort of competition from Harvard and Yale--and Case Western here in our own state of Ohio, Cal Tech, Berkeley, Stanford and so on, is adequate is perhaps a poor choice of words within that context. It is also, I think, enormously important to emphasize that this has been indeed an independent rating, this is not Ed Jennings or Ohio State or this Board or Diether saying this. This is the United States and the academic community saying this. This is not self aggrandisement, this is an independent study that Diether--mentioned he would not have been allowed to rank Ohio State's German Department; had business been included I would not have been allowed to rank Ohio State's business program. This is--and in that context it does represent the peer review, and that we can be extremely proud of this situation; these are fine distinctions. There are many distinctions to be made but clearly Ohio State is in a group of major universities in the United States which indeed implies in the world, and I frankly think we can be enormously proud of what has come out of this situation, particularly considering the public nature, the heavy undergraduate activity, our sheer size, and the competition with which we were compared. I frankly think this is a--we should all recognize that is indeed a great university and this independent ranking confirms it.

If there's no more questions we now get an opportunity to have that confirmed further. The College of Medicine was not part of this as were several of the professional schools were not part of this, but I have asked Jim Garland and Manny Tzagournis to give you a brief update on what I think is--can be--one of the most exciting innovations in medical technology that we have seen in many, many

March 4, 1983 meeting, Board of Trustees

## AN ASSESSMENT OF RESEARCH-DOCTORATE PROGRAMS IN THE UNITED STATES (contd)

President Jennings (contd):

years or will see in many years to come, and Ohio State is part of this because of its excellence in the College of Medicine. But I also might add Jim, I don't mean to leave you out in physics and chemistry, etc. Can you tell us, Jim, about Nuclear Magnetic Resonance--have I got it right?

### NMR SCANNER

Dr. Garland:

Thank you. It's a pleasure to come before you all and tell you about our new plans in this area. Basically, the reason I am here is to announce the University's intention to make a major commitment to a new area of medical research. The area is known as Nuclear Magnetic Resonance Imaging or NMR Imaging; and as President Jennings said, it is a brand new development in medical technology and in the written field of Radiology. There has been enormous interest, very recently, in the medical community and also in the public about this new technology, and I thought I'd just read you a sentence from a recent article in the *New York Times*, which says (this is a few weeks ago) 'Radiologists say they have developed another revolutionary technique for medical diagnosis that they expect to perform significantly better and more safely than the advanced CAT scanners that overtook the field only a decade ago.' I discovered when reading accounts of this that the word 'revolutionary advances' is almost inevitably used, and I think it is important to understand that we are not talking about just another medical doo-dad, this is really a significant step in technology. The technology is so new that it has not yet been approved for clinical use by the FDA. Our interest at Ohio State in this technology is because of its research use in the health sciences, also in the biological sciences, and as President Jennings alluded to, even in the physical sciences. I think in future years there is no question that this technique is going to have widespread clinical application, but our immediate interest is in its research use.

Now, as part of our commitment to the new area, we are purchasing a new instrument, called an NMR scanner, which is used to obtain images of the internal parts of the body. We've evaluated the bids from the handful of manufacturers that make these scanners, and it appears that the low bidder is the Technicare Corporation of Cleveland, Ohio. Technicare is a subsidiary of the medium-sized, high technology medical instrument company, it is a subsidiary of Johnson & Johnson. I want to stress that our proposed arrangement with Technicare encompasses far more than just a purchase agreement. We really envisage establishing a relationship with this company to do research for them in the whole area of nuclear magnetic resonance technology.

Now, let me show you what one of these machines looks like. Here, I think I just pushed the button. Superficially, you see it resembles a CAT scanner, for those of you that have seen a CAT scanner. It has a large gantry and then there is a housing for the patient, who then slides inside this housing. That housing does not

March 4, 1983 meeting, Board of Trustees

### NMR SCANNER (contd)

Dr. Garland (contd):

contain x-ray tubes as a CAT scanner does, it contains a large electromagnet. The electromagnet is actually made out of a superconducting wire, it's a niobium titanium alloy and it's kept cold by being immersed in a bath of liquid helium at a temperature of about 4° above absolute zero. The output of the machine appears on a video screen and this part of it resembles what you might see in a CT scanner, although the resemblance is actually, if you'll forgive the expression, skin deep. I think the internal workings of the machine are quite different.

Now, before showing you a little more about this technique, I would like to introduce you to a couple of individuals who have been instrumental in putting together this new area of research at Ohio State. You know Dean Tzagournis, so I won't bother to introduce him to you; but you may not know Dr. A. J. Christoforidis, who is the new Chairman of Radiology at Ohio State; and I'd also like to introduce (if I can find him) Dr. Arny Deutchman, behind you, who is a new Assistant Professor of Radiology; he has been very interested in this technique. And then finally, we've recently hired a new faculty member at Ohio State to direct our program in NMR imaging and that's Dr. Bill Hunter. In fact, I would like Bill to come up here for a minute. I think it's appropriate to use him as a test case. I would like to show you a photograph of Bill on the next slide that is taken with one of the Technicare machines. That is obviously the side view of his head (I think you can see the resemblance). I'd like to stress now that this is not the kind of photograph that you would see with an x-ray machine. In a conventional x-ray that we are accustomed to seeing, what you see is the whole side view of a person's body superimposed on each other. What you are seeing in this photograph, if you look at Bill for a second here, is about a two millimeter wide slice down his head, from back to front. It is an extraordinary resolution. Now notice that the image that you see shows very clearly the distinction between gray tissue and white tissue in the brain, it shows the ventricles of the brain. I think you can appreciate with the kind of resolution that is attainable in this technique that its applicability in cancer research for the diagnosis of tumors; in cardiology, we can also take photographs of the heart; in (as you will see in a little bit) arthritis research, physical medicine and sports injuries, in almost the whole area of medical research this type of diagnostic tool provides a significant major advance. It's possible to measure fatty deposits on the walls of an artery; it's possible to apply chemotherapy to a cancer patient, and instead of waiting months to see the results of the chemotherapy you can see the results in a matter of days. To the best of our knowledge it is a safe technique, there is no x-radiation involved in it.

Next slide shows a picture of the spine (this is Bill's spine, I believe) and you can see the spinal cord, in essence you are looking through the spine and the spinal cord. Again, this technique is very valuable in looking at soft body tissues. It is an area in which traditional x-ray techniques simply do not work.

Then in the next slide, here is a picture of knee joints. And it can show the cartilage and the tendons connected to the knee; it can show inflammations. Again, this is a kind of picture that really is not possible to obtain by other types of techniques.

March 4, 1983 meeting, Board of Trustees

### NMR SCANNER (contd)

Dr. Garland (contd):

Just to give you one other idea of this technique, I am going to show you a few seconds of a video tape, let's see if you can turn this off and put on the video tape. Now, this is going to be a series of head shots that were taken with--I think this is Bill's head again. What you are going to see is a top view of his head and also side view and back views, and this was all taken from one scan of the machine, so this kind of information is stored in the computer memory. OK, now you see in the upper left there, that is going to be the top view, side view is on the right, and on the bottom is a back view. OK, now we are going to show the top view and now here is the bottom of Bill's head and now we are moving up through the top, as you can see, that's right, and sliding up. And now there you see his nose is beginning to appear. OK, now you'll see ears beginning to show, and now there comes the brain and you'll see the--you saw the spinal cord down at the bottom.

Dr. Deutchman: These are one millimeter thick slices.

Dr. Garland:

That's right. One millimeter thick. OK. Now, there are the ventricles in the brain in the center there, two sides of the brain. OK, now we are moving up through the top. It is black hair. OK, now here is a side view going from one side to the other. In one ear and out the other, that's right, here we go, there's his right eye, and we'll see his nose begin to appear, left eye. You can imagine if Bill had a brain tumor we'd be able to see it instantly on this type, no invasion of the body at all. And now, here is a back view, back to front, OK. This is a fairly low resolution image. Here we come starting at the back, OK, the back of his skull moving towards the front and you can see the spinal cord developed there. OK, there it is, the spinal cord. Ear is coming out, moving towards the front, now you see the mouth cavity, there are the back of the eyes. OK, that is enough of the video tape. It is also possible--someone get the projector there. Turn the lights on if you would. There are other things that we haven't shown you on the machine. You can construct what are called real-time images; you can see a heart beating. It's possible, for example, to see the arteries in the heart dilate right before the heart muscle contracts and you can see damaged heart valves, you can see arterial damage. It is also possible to have the computer construct three-dimensional images and then rotate those images so that you can get perspective views of it. It's an extraordinary--I think you will agree it's an extraordinary technique.

Now, a few details about our--about the purchase of the machine. The list price of one of these machines that we are interested in is around somewhere between \$1.5 and \$1.8 million. Now, we are buying this as a package with some other medical instruments that have been approved by the University Hospitals for some time, and by buying it as a package we are able to effect a substantial discount. I don't know how much precisely, because we don't--in the package we don't break it down on an item by item basis, but it's a savings on the order of half of what the actual retail price of the machine is. In the negotiated agreement

March 4, 1983 meeting, Board of Trustees

### NMR SCANNER (contd)

Dr. Garland (contd):

a research--mutual research contracts are part of the agreement. I want to stress again that's very important to us at Ohio State. Also mention that this instrument is being paid for out of University funds, and not patient charges, and that's important to assure its use as a research instrument. And we have also been promised very early delivery on the instrument by the corporation. Our agreement contains an option to buy a second generation machine down the road several years at a very favorable price. Now, we are still working out the details of where we are going to locate this machine. There are three possibilities currently under consideration. One in Means Hall, one in University Hospital, and the other in Wiseman Hall. We are working with the Technicare people to decide what the optimal site is. As it turns out there are fairly stringent technical requirements on the location of the site for this type of instrument.

I might also mention that there are only a handful of other institutions in the country that have machines of this sort, but to my knowledge none of them will really have as sophisticated a machine as will be acquired at Ohio State. Massachusetts General Hospital has one, University of Pennsylvania, Case Western Reserve and the Cleveland Clinic have them because of their close proximity to Technicare which is in Cleveland. And University of California-San Francisco has one. There are probably a hundred others, machines on order now by universities and hospitals around the country, even though they are not yet approved for clinical use on patients. I think you will be hearing a lot more about this technique in the months and years to come, but I thought you might be interested in getting a preview at this time. Thank you.

President Jennings:

Thank you Jim. That is--it is very exciting, I--as you saw--and please--they can all do better, but this is, I think truly describes when we in the academic world talk about the cutting edge of research and basic research. This is the type of activity that our people all over the institution are exploring. The soft tissue is, perhaps, at least in my mind, the most impressive aspect of this is where the exploratory surgery could become less frequent than is the case. Just as important is the relationship being developed on a business--industry and research activity that you bring together a university and a major high technology corporation, in this way it does represent some of the fruits of what we have been talking about for quite a long while, and I look forward to many, many more of these relationships that can develop. Very impressive Jim, Manny, I still can't pronounce it--but this is the type of thing that will push those ratings that you saw on the half hour ago even further, further up because it can become enormously important in years to come. We thank you folks for that, very impressive, very impressive.

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March 4, 1983 meeting, Board of Trustees

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY**

Resolution No. 83-86

*Synopsis: Addition of new rule 3335-5-452 and Amendments to rules 3335-5-21, 3335-9-04, 3335-9-06, 3335-9-10, 3335-9-25, and 3335-9-30 are presented for adoption.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of new rules and amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in the *Rules of the University Faculty* were approved by the University Senate on February 12, 1983, as follows:

**NEW RULE**

**3335-5-452** Secretary of the university senate.

- (A) The secretary of the university senate shall be a tenured member of the regular faculty, appointed by the president from three nominees submitted by the steering committee. The term of office shall be for three years. Prior service as secretary need not preclude nomination to this office. During the term of office the secretary shall be reassigned for fifty per cent of time to the office of the university senate.
- (B) The responsibilities of the secretary of the university senate will be to:
- (1) Coordinate the responsibilities of the office of the university senate as described in rule 3335-19-09 of the Administrative Code.
  - (2) Issue notification of senate meetings, agenda, and reports of senate actions in accordance with rule 3335-19-11 of the Administrative Code.
  - (3) Serve as a voting member of the program committee and the rules committee and an ex officio, non-voting member of the steering committee of the university senate.
  - (4) Serve, upon request, as a resource person for duly established university and senate committees.
  - (5) Keep the records of the meetings of the university senate and furnish to the president for report to the board of trustees all matters passed by the university senate requiring board of trustees approval or action.
  - (6) Serve as secretary of the university faculty in accordance with rule 3335-5-21 of the Administrative Code.

March 4, 1983 meeting, Board of Trustees

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY (contd)**

**AMENDED RULES**

3335-5-21 Secretary.

The secretary of the university faculty shall be the secretary of the university senate (in accordance with rule 3335-5-452 of the Administrative Code). The secretary shall keep the records of the meetings of the university faculty and shall furnish to the president for report to the board of trustees all matters passed by the university faculty requiring board of trustees approval or action.

3335-9-04 Specific admission requirements.

- (A) Undergraduate student. For admission as a regular undergraduate student, a candidate must be a graduate of a high school (or equivalent preparatory school), or must have passed equivalent entrance examinations. For unconditional admission the candidate must present a minimum of fifteen high school units distributed in accordance with a preparatory curriculum approved by the university faculty and must meet the special requirements of the college or school the candidate desires to enter, subject to such deficiencies (or conditions) as that college or school may permit (see also rule 3335-9-24 of the Administrative Code). The preparatory curriculum is not required for the unconditional admission of regular undergraduate students with high school graduation prior to April 1, 1984.

For admission as a special undergraduate student, a candidate must satisfy the vice president for academic affairs and provost, or designee, that the candidate is qualified to undertake the special program desired.

- (C) Professional student. A candidate for admission as a regular or special student in a professional program must meet the pre-professional requirements of the school, college or division of a college the candidate desires to enter. If the candidate does not meet the pre-professional requirements, the candidate may be admitted subject to such deficiencies (or conditions) as that school, college or division of a college may permit.
- (D) Transient student. To be considered for admission as a transient student, the candidate must present a brief, definite program endorsed by the president or dean of the student's university or college. Where this and all other pertinent matters are satisfactory to the director of admissions, the candidate may be admitted unless there is objection by the college, school or division of which the candidate seeks admission.

3335-9-06 Admission to advanced standing.

- (A) An applicant presenting credentials for admission to advanced standing as an undergraduate student will in general be refused admission unless the applicant's record is at least "C" as an average of all courses undertaken.

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY (contd)**

- (B) The director of admissions may admit an applicant who does not fully meet this standard, provided the applicant's record is one that shows progressive improvement and provided the total credits allowed shall not be more than one-half the credit points counted on the applicant's complete record.
- (C) An undergraduate applicant having fewer than ninety transferable quarter credit hours at the time of first enrollment shall be subject to the provisions of rules 3335-9-04 (A) and 3335-9-25 (B) of the Administrative Code.

**3335-9-10      Removal of entrance conditions.**

Entrance conditions assessed against students at the time of admission or transfer to a college may be removed by the assistant vice president for registration services, when the dean of a college in which the conditioned student is registered has certified to the director of admissions that the deficiencies have been made up. The methods to be followed in making up entrance conditions shall have the joint approval of the director of admissions and the dean of the college concerned and, for undergraduate students, shall be in accordance with policies established by the council on academic affairs in consultation with the council on admission and registration. Removal of entrance conditions shall take precedence over the student's regular college schedule. If credits earned in the university are to be substituted for such deficiencies, five quarter credit hours and ten credit points shall be added to the graduation requirements of the conditioned student for each unit of entrance condition to be removed by this method.

**3335-9-25      Academic probation.**

- (A) Any student who has accumulated fifteen or more deficiency points shall be placed on probation. The probation shall continue provided the student's college considers the student's progress to be satisfactory and shall be removed when the deficiency points are fewer than fifteen. The student shall be notified of probationary status by the dean of the college or the director of the school in which the student is registered, except as provided in rule 3335-9-27 of the Administrative Code. Such notification shall include a clear statement of what shall be considered to be satisfactory progress.
- (B) Probation by special action. If at any time the preparation, progress, or success of a student in an academic program is determined to be unsatisfactory, the college or school in which the student is registered shall be empowered to place the student on academic probation. An undergraduate student admitted with conditions and who has not satisfied the conditions after earning thirty quarter credit hours through regular course enrollment at this university shall be placed on academic probation.



March 4, 1983 meeting, Board of Trustees

**ADDITION OF NEW RULE AND AMENDMENTS TO  
RULES OF THE UNIVERSITY FACULTY (contd)**

- (C) Requirements and definition. In order to remain in good standing in the university a student must maintain a point-hour ratio (see rule 3335-7-26 of the Administrative Code) of at least 2.00. Deficiency points are applied only to the records of students whose point-hour ratio is below 2.00 and are defined as the number of credit points a student would have to earn to bring the student's point-hour ratio up to that level. Deficiency points may be calculated by subtracting the total number of credit points earned from twice the total number of credit hours attempted for which calculable grades ("A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," "D," or "E") were given.

3335-9-30 Requirements for an undergraduate baccalaureate degree.

To obtain an undergraduate baccalaureate degree from this university, an undergraduate student must:

- (C) Have satisfactorily completed the number of credit hours required for the curriculum being pursued. The minimum number of credit hours required in each curriculum shall include the credit hours required under rules 3335-7-06 and 3335-7-07 of the Administrative Code. Credit hours required to satisfy admission conditions shall not be used to satisfy the requirements of rules 3335-7-06 and 3335-7-07 of the Administrative Code. Credit hours are considered as "satisfactorily completed" only if the student has received, at this university, the mark "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," "D," "EM," "K," "S," or "PA" in those hours (see rule 3335-7-21 of the Administrative Code).

NOW THEREFORE

BE IT RESOLVED, That the new rule and amendments to the *Rules of the University Faculty* be adopted as recommended by the University Senate.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT**

Resolution No. 83-87

*Synopsis: Approval is being requested for awarding degrees and certificates for Winter Quarter Commencement.*

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

March 4, 1983 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT(contd)**

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on March 18, 1983, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**HONORARY DEGREE**

Resolution No. 83-88

*Synopsis: Approval is requested for awarding an honorary degree.*

WHEREAS pursuant to paragraph (C) of rule 3335-3-03 of the Administrative Code, the President, after consultation with the Steering Committee of the University Senate, recommended to the Board of Trustees awarding of an honorary degree as listed below:

Helen G. Edmonds

Doctor of Humane Letters

NOW THEREFORE

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mr. Hilliker, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 83-89

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Reappointment of Directors of Institute and Center; Leaves of Absence Without Salary; and Emeritus Titles are recommended for approval.*

March 4, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the February 4, 1983 meeting of the Board, including the following Appointments; Reappointment of Directors of Institute and Center; Leaves of Absence Without Salary; and Emeritus Titles as detailed in the University Budget, be approved.

Appointments

Name: RICHARD E. BOETTCHER  
Title: Dean  
College: Social Work  
Effective: July 1, 1983  
Salary: \$60,000.00  
Present Position: Director of the School of Social Work, University of Missouri-Columbia

Name: RODNEY J. HARRISON  
Title: Acting Vice Provost for Student Affairs  
Office: Academic Affairs  
Effective: March 1, 1983  
Salary: \$53,640.00  
Present Position: Director, Student Financial Aids

Reappointment of Directors of Institute and Center

July 1, 1983 through June 30, 1987

Agricultural Technical Institute Dan M. Garrison

October 1, 1983 through June 30, 1987

Center for Women's Studies Marlene Longenecker

Leaves of Absence Without Salary

DEVON W. MEEK, Professor, Department of Chemistry, effective March 1, 1983 through March 31, 1983, for personal reasons.

GERALD C. GROOMS, Associate Professor, Cooperative Extension Service, effective May 5, 1983 through August 3, 1983, for personal reasons.

JOSEPH NEISENDORFER, Associate Professor, Department of Mathematics, effective October 1, 1983 through December 31, 1983, to visit the University of Western Ontario.

MARGARET D. OUELLETTE, Instructor, School of Nursing, effective April 1, 1983 through June 30, 1983, to complete requirements of the graduate school.

March 4, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles

GEORGE JAMES BART, Department of Botany (Mansfield Campus), with the title Assistant Professor Emeritus, effective January 1, 1983.

WILLIAM J. GRIFFITH, Office of Campus Planning and Space Utilization, Assistant Vice President Emeritus, effective March 1, 1983.

Upon motion of Mrs. Bowser, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 83-90

*Synopsis: Resolutions honoring the service of three of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the foregoing resolution was adopted by unanimous voice vote.

Richard Heinley Baker

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 4, 1983 of Richard H. Baker, Professor Emeritus in the Department of Agricultural Economics and Rural Sociology.

Professor Baker, agriculturalist, born 1908, Seneca County, Ohio; received the Bachelor of Science degree in 1930, Master of Science degree in 1938 and the Doctor of Philosophy degree in 1948, all from The Ohio State University. Following the baccalaureate degree he spent a year studying large scale and corporate farming as organized in the mid-western, western and southern areas of the United States. This study and interest in large scale farming operations was reflected throughout his professional career. During the early depression years Dr. Baker served as a land use consultant with the Natural Resources Board and later with the Resettlement Administration and Farm Security Administration.

Joining the Department of Agricultural Economics and Rural Sociology in 1937 he made influential contributions with his study of dairy farm production costs and analysis. Labor simplification, farm worker safety, farm accounting, and taxation were productive areas of

March 4, 1982 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Richard Heinley Baker (contd)

his work. He was recognized as being especially helpful in the development of a computerized linear programming price mapping technique for farm planning and decision making. During the several years prior to and following retirement he made significant contribution in the development of a series of educational income tax programs. These programs are recognized as being very useful by farmers, tax practitioners and Internal Revenue Service representatives.

Until his untimely death, his income tax expertise was appreciated by those seeking an incisive understanding of the income taxation provisions.

Farm accidents and farm fatalities resulted in a national awareness of the need for a meaningful educational effort. His study of farm safety and contribution to the safety program resulted in the prevention of much human suffering, loss of life and productivity. As a result of this contribution, he was involved in The President's Conference on Occupational Safety during the Eisenhower presidency.

Professor Baker shared his scholarship with all who came to know him and was an excellent representative of the University community. His open, friendly manner and sincere personal interest in others caused all of us who knew him to value his counsel and to mourn his passing.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as our expression of the Board's heartfelt sympathy.

Lawrence A. Larrimer

The Board of Trustees of The Ohio State University expresses its sorrow at the death on January 28, 1983, of Dr. Lawrence A. Larrimer, Associate Professor Emeritus in the College of Dentistry.

Dr. Larrimer received his D.D.S. degree from The Ohio State University in 1933.

Dr. Larrimer was a member of the faculty of the College of Dentistry from 1946 until 1975 when he retired.

Dr. Larrimer was a member of the First Community Church, Sigma Nu Fraternity, Omicron Kappa Upsilon Honorary, the American Dental Association, Ohio Dental Association, Columbus Dental Society, Major U. S. Dental Corps WW II, past commander of Upper Arlington Post No. 443 American Legion.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

March 4, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Jennette A. Stein

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 16, 1983, of Jennette A. Stein, Professor Emeritus in the School of Health, Physical Education and Recreation.

She was educated at The Ohio State University and received her B.S. degree in 1926 and her M.A. degree in 1933.

In 1930 she was appointed an Instructor in the Women's Division of the Department of Physical Education. She became Associate Professor in 1946 and Professor in 1960.

Professor Stein's interests and efforts were primarily in undergraduate education. For many years she had the administrative responsibility for the required program in physical education for women. She taught in this program and in the undergraduate professional preparation program until her retirement in 1964.

Professor Stein was active in state, regional and national organizations serving her profession.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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### REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 83-91

*Synopsis: The reports on contracts, grants, and gifts and the summary for January 1983 are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of January 1983, be approved.

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the foregoing resolution was adopted by unanimous voice vote.

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JANUARY 1983**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	74	\$7,950,375.71
Engineering Experiment Station	28	541,604.00
Ohio Agricultural Research and Development Center	5	263,000.00
		<b>\$8,754,979.71</b>
<b>The Ohio State University Development Fund</b>		
Establishment of Named Funds		
The Conrad Jess Hilbinger Memorial Fund (Undergraduate student scholarships)		\$100,000.00
Robert and Marion Gatrell Undergraduate Student Art Award (Department of Art)		\$ 26,302.00
The Ida Topper College of Law Faculty Research Fellowship Fund (College of Law)		\$ 25,000.00
E. F. and Kathryn M. Wildermuth Memorial Endowment--Optometry (Loans and scholarships - College of Optometry)		\$ 11,250.00
The Law Class of '32 Anniversary Fund (College of Law Library)		\$ 8,000.00
The Larry N. Snyder Fund (OSU Athletic Department)		\$ 6,156.00
The Virginia Hutchison Bazler Scholarship Fund (School of Home Economics)		\$ 5,000.00

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**SUMMARY FOR JANUARY 1983 (contd)**

Establishment of Named Funds (contd)

Robert Eugene Johnson Memorial Scholarship (Department of Theatre)	\$ 5,000.00
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The George P. Pettit, M. D. Scholarship Fund (Undergraduate scholarships)	\$ 5,000.00
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Change in Name of Fund

From: The Chair in Food Industries	
To: Carl E. Haas Chair in Food Industries	

Report from Presidents Club

Members to date	4,581
1983 members: year to date	17
New members - January 1983	17

New Presidents Club Members - January 1983

Edward F. Bacher, Jr.	Barbara H. Racey (Mrs. Gary L.)
Susan L. Baer	Clare E. Rohrer
Lee K. Baker	Robert G. Stinchcomb
Dr. Harisios Boudoulas	Ruth E. Strader (Mrs. Jack D.)
James M. Hiser	Jack D. Strader
William M. Junk	Danny Yee
Pamela J. Mascari (Mrs. Samuel J.)	Kenneth Yee
Pamela S. Patti (Mrs. Robert W.)	James F. Zid
Patricia L. Pohlman (Mrs. James E.)	



March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - January 1983

Federal Research Contracts/Grants

\$4,369,947.00 - Department of Education, Washington, D. C., The National Center for Research in Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 16 January 1983 through 15 January 1984. (Project 763413 - New)

\$252,780.00 - Department of Education, National Institute of Education, Washington, D. C., Operation of an Educational Resources Information Center (ERIC) Clearinghouse on Science, Mathematics and Environmental Education, Academic Faculty of Science Mathematics Education (R. W. Howe), 1 January 1983 through 31 December 1983. (Project 763390 - Continuation)

\$220,523.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Southwest Oncology Group, Department of Medicine (S. P. Balcerzak), Department of Pathology (K. P. Clausen), Department of Surgery (W. B. Farrar) and Department of Radiology (F. Batley), 1 January 1983 through 31 December 1983. (Project 761094 - Continuation)

\$175,000.00 - Department of Education, National Institute of Education, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 December 1982 through 31 January 1983. (Project 763385 - Continuation)

\$125,632.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Study of Biologically Active Microbial Metabolites, Department of Chemistry (H. G. Floss), 1 December 1982 through 30 November 1983. (Project 763393 - New)

\$114,790.00 - National Foundation for the Arts and Humanities, National Endowment for the Humanities, Washington, D. C., The Teaching of Classical Civilizations--A Summer Institute for College Teachers, Department of Classics (M. P. Morford), 1 January 1983 through 31 December 1983. (Project 763416 - New)

\$91,999.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, The Development and Evaluation of Point Defect Models for the Growth of Passive Films on Single Crystal, Polycrystalline, and Amorphous Metal Surface, Department of Metallurgical Engineering (D. D. Macdonald), 1 March 1983 through 28 February 1984. (Project 763048 - Continuation)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$90,000.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax and Thoracic Simulator, Department of Mechanical Engineering (D. A. Guenther), 1 October 1982 through 30 June 1983. (Project 762594 - Continuation)

\$89,850.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, The Effects of Fatigue on Cockpit Communication and Resource Management, Department of Aviation (R. S. Jensen and A. Lerch), 1 January 1983 through 30 November 1983. (Project 763247 - Continuation)

\$86,977.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Stereochemistry of Enzyme Reactions, Department of Chemistry (H. G. Floss), 1 January 1983 through 31 August 1983. (Project 763422 - New)

\$86,713.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Solution Structure of Ribosomal 5S RNA and 5.8S RNA, Department of Chemistry (A. G. Marshall), 1 January 1983 through 31 December 1983 (Project 762523 - Continuation)

\$86,000.00 - Department of the Air Force, Electronic Systems Division, Hanscom Air Force Base, Massachusetts, Theoretical Studies on Determinations, Predictions, and Accuracies of Geodetic Parameters and Gravimetric Quantities, Department of Geodetic Science and Surveying (U. A. Uotila), 1 October 1982 through 25 April 1983. (Project 762947 - Continuation)

\$84,789.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Molecular Control in Cytochrome C. Oxidase, Department of Physiological Chemistry (J. O. Alben), 1 January 1983 through 31 December 1983. (Project 762976 - Continuation)

\$83,097.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Health, Labor Market Activity, and Income Security, Department of Economics (D. O. Parsons), 1 February 1983 through 31 January 1984. (Project 763411 - New)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$81,038.00 - Department of the Air Force, Air Force Systems Command, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Motion and Stability of Saturated Soil Systems Under Dynamic Loading, Department of Civil Engineering (R. S. Sandhu), 1 February 1983 through 31 January 1984. (Project 763420 - New)

\$76,178.00 - Department of Education, Office of Special Education, Washington, D. C., Improving the Basic Math Skills and Job Awareness of Handicapped Students via Simulated Career Exploration Activities, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1983 through 31 December 1983. (Project 763423 - New)

\$72,698.00 - National Science Foundation, Washington, D. C., Research in Persuasive Communication, Department of Psychology (A. G. Greenwald), 1 February 1983 through 31 January 1985. (Project 763424 - New)

\$65,750.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Separated Flows, Department of Aeronautical and Astronautical Engineering (O. R. Burggraf), 1 January 1983 through 31 December 1983. (Project 763412 - Continuation)

\$65,022.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Subunit Studies of a Heart Respiratory Complex, Department of Physiological Chemistry (J. S. Rieske), 1 December 1982 through 30 November 1983. (Project 762285 - Continuation)

\$60,280.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Biosynthesis of Ergot Alkaloids, Department of Chemistry (H. G. Floss), 1 January 1983 through 31 August 1983. (Project 763419 - New)

\$57,000.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 1 April 1983 through 31 March 1984. (Project 761663 - Continuation)

\$51,401.00 - Department of the Air Force, Air Force Systems Command, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Benzamide Derivatives as Protective Agents of Human Cell Carcinogenesis, Cancer Research Center and Department of Physiological Chemistry (G. E. Milo), 1 January 1983 through 31 December 1983. (Project 763409 - New)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$50,000.00 - National Science Foundation, Washington, D. C., Kirkpatrick Basalt Group, North Victoria Land, Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (D. H. Elliot and G. Faure), 1 July 1983 through 31 May 1984. (Project 762871 - Continuation)

\$49,457.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on the Kinetics of Phase Changes on Solids, Department of Metallurgical Engineering (J. P. Hirth), 15 December 1982 through 14 June 1983. (Project 760222 - Continuation)

\$39,967.00 - Department of the Navy, Naval Air Systems Command, Washington, D. C., Advanced Adaptive Antenna Techniques, Department of Electrical Engineering, ElectroScience Laboratory (R. T. Compton), 1 October 1982 through 27 July 1983. (Project 763084 - Continuation)

\$36,247.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Biochemistry of Inhibitors of Estrogen Biosynthesis, College of Pharmacy (R. W. Brueggemeier), 1 January 1983 through 31 December 1983. (Project 762520 - Continuation)

\$35,555.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Side Impact Procedure Development, Department of Mechanical Engineering (D. A. Guenther), 17 January 1983 through 30 November 1983. (Project 763399 - New)

\$30,407.00 - National Science Foundation, Washington, D. C., Effect of Vegetation Roots on Slope Stability, Department of Civil Engineering (T. H. Wu), 15 January 1983 through 14 January 1984. (Project 762987 - Continuation)

\$26,750.00 - National Science Foundation, Washington, D. C., The Banach-Mazur Distance Between Finite Dimensional Spaces and Projection Constants, Department of Mathematics (W. J. Davis), 1 July 1983 through 30 June 1984. (Project 762659 - Continuation)

\$26,600.00 - Environmental Protection Agency, Cincinnati, Ohio, Field Verification of Methane Movement Functions and Methane Control Systems for Landfill, Department of Civil Engineering (C. A. Moore), 1 January 1983 through 30 June 1983. (Project 761848 - Continuation)

\$25,420.00 - National Science Foundation, Washington, D. C., Cohomology of Arithmetic Groups, Department of Mathematics (A. Ash), 1 February 1983 through 31 January 1985. (Project 763407 - New)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$17,836.00 - National Science Foundation, Washington, D. C., Stratigraphy, Sedimentology, and Sedimentary Petrology of Permian-Triassic Gondwana Sequence in North Victoria Land, Antarctica, Institute of Polar Studies (J. W. Collinson), 1 January 1983 through 30 June 1983. (Project 762829 - Continuation)

\$16,578.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Non-Contact Crash Data Acquisition Interface, Department of Electrical Engineering (H. Hemami), 1 January 1983 through 30 June 1983. (Project 762618 - Continuation)

\$10,000.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Installation of GEODOP Program at the Nairobi Treasury Computing Center, Department of Geodetic Science and Surveying (I. I. Mueller), 1 January 1983 through 30 September 1983. (Project 763302 - Continuation)

\$9,960.00 - Agency for International Development, Washington, D. C., A Study to Describe Criteria for USAID Sector Grant to Zimbabwe, The National Center for Research in Vocational Education (R. E. Taylor), 26 November 1982 through 28 February 1983. (Project 763410 - New)

\$8,000.00 - Department of the Army, Defense Supply Service, Washington, D. C., Ultrasonic Methods to Study Shadow Boundaries of Diffracting Cracks, Department of Welding Engineering (L. Adler), 1 December 1982 through 31 March 1983. (Project 762638 - Continuation)

\$7,580.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, On-Board Portable Data Acquisition and Processing for Vehicle Testing, Department of Electrical Engineering (H. Hemami), 1 October 1982 through 31 January 1983. (Project 762979 - Continuation)

\$6,000.00 - National Foundation for the Arts and Humanities, National Endowment for the Arts, Washington, D. C., Film/Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 October 1983 through 31 December 1983. (Project 763414 - Continuation)

\$3,738.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Non-Nitrogen Containing Dopamine Agonists, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 December 1982 through 30 November 1983. (Project 762967 - Continuation)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$2,471.00 - Environmental Protection Agency, Washington, D. C., Application of Recombinant DNA Technology to Methane Biogenesis, Department of Microbiology (J. N. Reeve), 1 September 1982 through 31 August 1984. (Project 763263 - Continuation)

\$2,471.00 - Federal Emergency Management Agency, Washington, D. C., Evacuation Study of Taft, Louisiana, Department of Sociology (E. L. Quarantelli), 3 January 1983 through 7 January 1983. (Project 763397 - New)

**TOTAL - FEDERAL AWARDS** **\$6,892,501.00**

**State of Ohio Research Contracts/Grants**

\$318,410.00 - State of Ohio, Department of Natural Resources, Office of Litter Control, Columbus, Ohio, Litter Control and Recycling Education Program, Cooperative Extension State Operations (J. D. Rohrer), 16 January 1983 through 31 December 1983. (Project 763404 - New)

\$69,611.40 - State of Ohio, Department of Health, Columbus, Ohio, Care of the High Risk Mother and Infant, Department of Pediatrics (L. Cordero), 1 October 1982 through 30 September 1983. (Project 764100 - Continuation)

\$60,000.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Deinstitutionalization Task Force, Nisonger Center for Mental Retardation (H. Leland), 1 November 1982 through 30 September 1983. (Project 762593 - Continuation)

\$4,635.00 - State of Ohio, Ohio Historic Preservation Office, Ohio Historical Center, Columbus, Ohio, Survey and Protection Policies for Columbus Neighborhood Historic Structures, School of Architecture Administration - City and Regional Planning (S. I. Gordon), 1 January 1983 through 31 August 1983. (Project 763426 - New)

**TOTAL - STATE OF OHIO AWARDS** **\$ 452,656.40**

**Industrial Research Contracts/Grants**

\$64,646.00 - The Standard Oil Company (SOHIO), Cleveland, Ohio, Electro-Catalytic Reduction of Carbon Monoxide and Carbon Dioxide to Carbon-Based Products, Department of Chemistry (T. Kuwana and D. W. Meek), 1 January 1983 through 31 December 1983. (Project 763417 - New)

\$29,056.00 - Health Research, Inc., Buffalo, New York, The Effect of Cocarcinogens on Cellular Membranes, Cancer Research Center (L. D. Tomei), 1 December 1982 through 30 November 1983. (Project 763408 - New)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$11,872.00 - International Training and Education Co. (ITECO), Framingham, Massachusetts, Vocational Teacher Training: PBTE Curricula Available for Adoption, The National Center for Research in Vocational Education (R. E. Taylor), 1 December 1982 through 31 January 1983. (Project 763387 - New)

\$10,503.45 - Tandy Corp., Fort Worth, Texas, Improving Computer Literacy Among Formal and Non-Formal Agricultural Educators, Department of Dairy Science (T. R. Smith), 1 December 1982 through 31 December 1982. (Project 763405 - New)

\$8,000.00 - Holstein-Friesian Association of America, Brattleboro, Vermont, Dairymen - Define Breeding Programs, Department of Dairy Science (F. R. Allaire), 1 January 1983 through 31 December 1983. (Project 763398 - New)

**TOTAL - INDUSTRIAL AWARDS**

**\$ 124,077.45**

**Other Non-Federal Research Contracts/Grants**

\$95,258.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1983 through 31 March 1983. (Project 760982 - Continuation)

\$90,000.00 - North Texas State University, Denton, Texas, The Adaptation and Pilot Testing of a Pre-Service Version of ICDM, The National Center for Research in Vocational Education (R. E. Taylor), 17 December 1982 through 31 December 1984. (Project 763418 - New)

\$82,741.33 - World Health Organization, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 14 December 1982 through 30 June 1983. (Project 760113 - Continuation)

\$39,621.00 - Electric Power Research Institute, Palo Alto, California, Mechanism of Intergranular Corrosion of Inconel 600 Tubing in Power Steam Generators, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1983 through 31 October 1983. (Project 762932 - Continuation)

\$30,000.00 - Kappa Delta Pi, Lafayette, Indiana, Workshops and Research Studies, Academic Faculty of Educational Foundations and Research (J. Frymier), 1 January 1983 through 31 December 1984. (Project 763402 - Continuation)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$17,755.00 - Electric Power Research Institute, Palo Alto, California, Study of Acid Corrosion in the Clean Gas Saturator or a Coal Gasification Combined Cycle Power Plant, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1983 through 30 June 1983. (Project 763175 - Continuation)

\$16,737.00 - University of Illinois, Champaign, Illinois, Second International Mathematics Study, Academic Faculty of Science and Mathematics Education (F. J. Crosswhite), 1 January 1983 through 30 September 1983. (Project 763400 - New)

\$13,997.55 - Vocational Industrial Training Board, Singapore, Vocational Industrial Training Board Fellowship Program - Singapore, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1983 through 31 March 1983. (Project 763274 - Continuation)

\$13,865.98 - National Association of Regulatory Utility Commissioners, Washington, D. C., NARUC State Member Support of the NRRI through Regularized State-Provided Contributions, National Regulatory Research Institute (D. N. Jones), 1 July 1982 through 30 June 1983. (Project 763289 - Continuation)

\$10,750.00 - International Studies Association, Columbia, South Carolina, Assistance in Disseminating Learning Resources on Global Education and Teacher Training, Mershon Center for Education in National Security and Department of Political Science (J. E. Harf), 1 December 1982 through 30 June 1983. (Project 763370 - New)

\$10,000.00 - Deafness Research Foundation, New York, New York, Hemophilus Influenzae Otitis Media: An Animal Model, Department of Otolaryngology (T. F. DeMaria), 1 January 1983 through 31 December 1983. (Project 762545 - Continuation)

\$10,000.00 - The Joyce Mertz-Gilmore Foundation, New York, New York, Working Conference on Community Resources in Global Education, Mershon Center for Education in National Security (R. C. Remy), 1 January 1983 through 30 June 1983. (Project 763415 - New)

\$8,400.00 - Institut Teknologi Mara, Shah Alam, Selangor, West Malaysia, Study for Mrs. Ivy C. H. Nadarajah in the Business Education Department and The National Center for Research in Vocational Education at The Ohio State University, The National Center for Research in Vocational Education (R. E. Taylor), 3 January 1983 through 30 June 1983. (Project 763401 - New)



March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Other Non-Federal Research Contracts/Grants (contd)

\$7,625.00 - American Academy of Physician Assistants, Arlington, Virginia, Physician Assistant Self-Assessment, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 January 1983 through 31 March 1983. (Project 763054 - Continuation)

\$6,775.00 - National Association in Chain Drug Stores, Inc., Alexandria, Virginia, The Impact of "Lower Of" of "Cost Plus Fee" Reimbursement Provisions of Third-Party Drug Programs on Pharmacy Profitability, College of Pharmacy (E. W. Jacobs), 1 January 1983 through 31 March 1983. (Project 763421 - New)

\$5,765.00 - American Association of School Administrators, Arlington, Virginia, Study of the American Superintendency, Academic Faculty of Educational Administration (L. L. Cunningham), 1 November 1982 through 30 September 1983. (Project 762778 - Continuation)

\$5,540.00 - The Columbus Foundation, Columbus, Ohio, Alfred L. Willson Conference on Problem Prevention in Early Youth, Academic Faculty of Educational Administration (L. L. Cunningham), 1 November 1982 through 31 October 1983. (Project 763406 - Continuation)

\$5,362.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Alumina Tooth Implantation in Human Subjects, College of Dentistry - Crown and Bridge (M. O. Brose), 15 January 1983 through 15 December 1983. (Project 762936 - Continuation)

\$4,000.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Optimal Arrangement of Objects such as Patterns in Mold Flasks, Department of Industrial and Systems Engineering (S. C. Sarin), 1 January 1983 through 10 March 1983. (Project 763403 - New)

\$3,087.00 - Cedars-Sinai Medical Center, Los Angeles, California, Cooperative Clinical Trial on the Dissolution of Gallstones by Bile Acid Feeding, Department of Medicine (F. B. Thomas and H. S. Mekhjian), 1 September 1982 through 31 August 1983. (Project 762380 - Continuation)

\$1,600.00 - United Nations Educational, Scientific and Cultural Organization (UNESCO), Paris, France, Proposal to Develop an International Annotated Bibliography on Technical Teacher Education (R. E. Taylor), 1 January 1983 through 31 March 1983. (Project 763395 - New)

\$1,250.00 - Greater Columbus Arts Council, Columbus, Ohio, A Theatre Seminar Festival of the American Experience: The FDR Years: 1930-1945, Department of Theatre (F. H. Brown, Jr.), 19 June 1983 through 14 August 1983. (Project 763396 - New)

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$725.00 - Insulation Industry's National Apprenticeship and Training Fund, Washington, D. C., Instructor Training Workshop - Insulation Industry's National Apprenticeship and Training Fund, The National Center for Research in Vocational Education (R. E. Taylor), 4 September 1982 through 31 October 1982. (Project 763250 - Continuation)

\$286.00 - Cincinnati Resource Development Committee, Cincinnati, Ohio, Data Inventory of Vocational Education in Cincinnati Public Schools and Great Oaks Area Vocational School, The National Center for Research in Vocational Education (R. E. Taylor), 1 August 1982 through 31 August 1982. (Project 763224 - Continuation)

**TOTAL - OTHER NON-FEDERAL AWARDS** **\$ 481,140.86**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$23,426.00 - New York State Department of Transportation, Albany, New York, to "Refurbish NYDOT Skid Trailers," Transplex, February 15, 1983 through July 31, 1983. (312767)

**Industrial and Other Sponsored Research and Development**

\$395,000.00 - Fourteen sponsors including Bishopric, Caterpillar, GATAX, IBM, GM, GE, Westinghouse, Standard Oil, Euclid, Deere, TRW, Milicron, Cyclomatic and Reynolds Metals in support of the broad Center for Welding Research investigations for the current fiscal year. Federal support from NSF for FY 83 totals \$225,000.00 additional. (529090, 529501-9)

\$20,000.00 - The OSU Office of Physical Facilities, Campus, for "Study of Energy Conservation for University Buildings--Program 4244," Department of Mechanical Engineering, January 1, 1983 through May 31, 1983. (529008)

\$13,500.00 - AISI, Washington, D. C., for "Experimental Determination of Combustibility," Department of Chemical Engineering, May 1, 1982 through April 30, 1983. (529001)

\$89,678.00 - Twenty-three sponsors for 24 development projects under the direction of six engineering departments and research areas.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT** **\$ 518,178.00**

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

Federal Contract/Grant

\$242,500.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, continued support of North Central Region Special Studies Program for Pesticide Impact Assessment, Department of Entomology, through September 30, 1984. (Cooperative Agreement No. 80-CRSR-2-0513)

Industrial and Other Contracts/Grants

\$7,500.00 - Society of American Florists Endowment, Edwardsville, Illinois, support of a study on inflated tube energy screen for nighttime insulation, Department of Agricultural Engineering, January 1 to December 31, 1983.

\$1,000.00 - University of California, Department of Land, Air and Water Resources, Davis, California, continued support of a study on mechanism of frost heave pressures, Department of Agronomy, to January 31, 1983.

TOTAL - INDUSTRIAL AND OTHER CONTRACTS/GRANTS \$ 8,500.00

Gifts of \$5,000 or More

\$6,000 American Cyanamid Company, Wayne, New Jersey  
\$6,000 Monsanto, St. Louis, Missouri

TOTAL - GIFTS \$ 12,000.00

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Establishment of Named Funds

The Conrad Jess Hilbinger Memorial Fund

The Conrad Jess Hilbinger Memorial Fund was established March 4, 1983, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from the estate of Conrad N. Hilbinger, Honolulu, Hawaii, in memory of his son, Conrad Jess Hilbinger.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and re-invest as occasion dictates.

The annual income shall be used to provide one or more scholarships to qualified students enrolled at The Ohio State University. The selection of the recipient(s) is to be made by the University Scholarship Committee.

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Conrad Jess Hilbinger Memorial Fund (contd)**

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees at its discretion.

**Robert and Marion Gatrell Undergraduate Student Art Award**

The Robert and Marion Gatrell Undergraduate Student Art Award was established March 4, 1983, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from the estate of Robert M. Gatrell, Professor Emeritus, M.A., Fine Arts, 1933, Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide an award(s), presented annually, at the Student Show in the Gallery of Hopkins Hall. The award(s) is to be presented to an undergraduate student enrolled in the Studio Division of Fine Arts of The Ohio State University and whose major studies are in the studio areas of drawing, painting and graphics. The selection of the recipient(s) is to be made by a balanced studio faculty appointed by the department chairman of the Department of Art, College of the Arts. The number and amount of the award(s) shall be determined each year by the judging committee.

The award(s) shall be presented for works of art that have been entered as exhibits in the annual Student Show. However, should the Show not be held in a particular year, no award(s) shall be given and the income added to the principal of the Robert and Marion Gatrell Undergraduate Student Art Award fund. In the subsequent year, awards not made in the previous academic year can be made providing a student exhibition or student art show is held in addition to the awards for the current academic year.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official(s) of the University then directly responsible for education in drawing, painting and graphic arts.

March 4, 1983 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The Ida Topper College of Law Faculty Research Fellowship Fund

The Ida Topper College of Law Faculty Research Fellowship Fund was established March 4, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mrs. Isadore Topper of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The purpose of this research fellowship fund is to provide financial support for research and writing undertaken by a member of the College of Law academic faculty. Upon the establishment of this endowment fund, the Dean of the College of Law shall appoint a member of the College of Law faculty as the recipient of the fellowship, which faculty member shall retain the fellowship so long as he or she is a member of the College of Law faculty. Should the initial recipient or any successor recipient of this fellowship resign or retire from the College of Law faculty, a successor recipient shall be chosen by a committee made up of those members of the College of Law faculty then occupying Endowed Professorships or Chairs, with consultation and advice from the Dean of the College of Law. If the vote of the committee be tied, the Dean shall cast the deciding vote.

The fellowship shall honor past outstanding service by the recipient as teacher and scholar and in recognition of outstanding community service.

The annual income and/or principal in this fellowship fund shall be used for activities and purposes that will further the recipient's academic research and writing including but not limited to:

- (1) Release time from teaching duties to pursue research
- (2) Research assistants
- (3) Secretarial assistance
- (4) Mechanical support equipment and facilities, such as computer equipment
- (5) Travel expenses
- (6) Attendance at professional meetings and seminars
- (7) Purchase of books, journals and publications
- (8) Summer research support

The recipient shall propose to the Dean from time to time, as needed, expenditures from the income and/or principal in the fellowship fund to support his or her research and teaching. The Dean shall approve such expenditures unless they would be clearly inconsistent with the purpose of this fund or unless the expenditure would exceed the principal remaining in the fund. Unused income may each year be added to principal. The recipient of the fellowship shall advise the Dean of the College of Law on a regular basis of the scholarly purposes for which the fellowship has been used.

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Ida Topper College of Law Faculty Research Fellowship Fund (contd)**

It is the intention of the grantor that the funds in this research fellowship should supplement and not replace funds which would otherwise be available to the recipient from the College of Law or other sources to support his or her teaching and research.

Should the need for this fund cease to exist or so diminish as to provide unused income or principal, then the fund may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Dean and faculty of the College of Law.

**E. F. and Kathryn M. Wildermuth Memorial Endowment--Optometry**

The E. F. and Kathryn M. Wildermuth Memorial Endowment--Optometry was established March 4, 1983, by the Board of Trustees of The Ohio State University with an initial gift to The Ohio State University Development Fund from the E. F. Wildermuth Foundation, Columbus, Ohio, in memory of E. F. Wildermuth, B.A., 1910, Columbus.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for several purposes with the first priority being for loans to optometry students and the second priority for scholarships to optometry students. If the use of the income for loans and scholarships in the opinion of the Dean of the College of Optometry is fully met, the balance of the income from the endowment may be used for other purposes to improve optometric education as, for example, for professorships or chairs to be determined by the Dean of the College of Optometry. The loans and/or scholarships are to be recommended and approved by the Dean of the College of Optometry and repayment of the loans is to be added to the principal of the endowment.

Should the need for this endowment cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for optometric education.

**The Law Class of '32 Anniversary Fund**

The Law Class of '32 Anniversary Fund was established March 4, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Law Class of '32 Anniversary Fund (contd)**

Fund from members of the Class of 1932 of the College of Law, on the occasion for their 50th Anniversary of graduation from the College of Law.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for the library in the College of Law at the discretion of the Dean of the College of Law.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

**The Larry N. Snyder Fund**

The Larry N. Snyder Fund was established March 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of the late Larry N. Snyder, B.S.Bus.Adm. '25 (renowned Ohio State and U. S. Olympic track coach), of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to enhance the OSU Athletic Department. First preference should be given to the intercollegiate track program. Actual disbursement will be at the discretion of the Director of Athletics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the University athletic programs.

**The Virginia Hutchison Bazler Scholarship Fund**

The Virginia Hutchison Bazler Scholarship Fund was established March 4, 1983, by the Board of Trustees of The Ohio State University Development Fund from Virginia H. Bazler (B.S.H.E. '54) and Frank E. Bazler (B.S.Bus.Adm. '51, J.D. '53).

March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Virginia Hutchison Bazler Scholarship Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students enrolled in the School of Home Economics. The selection of the recipient(s) is to be made by the University Scholarship Committee upon the recommendation of the Director of the School of Home Economics. Students who have demonstrated academic ability and have a definite need for financial assistance will be shown preferred consideration for this scholarship.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to requests and recommendations from the appropriate administrative official of the School of Home Economics.

**Robert Eugene Johnson Memorial Scholarship**

The Robert Eugene Johnson Memorial Scholarship was established March 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Robert Eugene Johnson, M.A., 1950.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for junior and/or senior student(s) who are majoring in theatre and are maintaining at least a 2.5 cumulative grade point average. Selection of the recipient(s) is to be made by the Chairman of Theatre in cooperation with the Dean of the College of the Arts and the University Scholarship Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for educating University students in theatre arts.



March 4, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Establishment of Named Funds (contd)

The George P. Pettit, M.D., Scholarship Fund

The George P. Pettit, M.D., Scholarship Fund was established March 4, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from George P. Pettit, B.S. '65, M.D. '69, Portsmouth, Ohio.

All gifts are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide undergraduate scholarships for one or more students, from Pike or Scioto County, going into health related fields. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees.

Change in Name of Fund

Carl E. Haas Chair in Food Industries

It is proposed that the Chair in Food Industries, established July 11, 1980, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from industry, alumni, and friends of the College of Agriculture, be named the CARL E. HAAS CHAIR IN FOOD INDUSTRIES, in recognition of the generous gift made to the Chair in Food Industries by Mr. Carl E. Haas, B.S. Horticulture, 1918; retired President, The Haas Brothers Company, Cleveland, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income, when this account becomes a chair, will be used to provide salary and program support for the work of an individual who will provide leadership for the Food Industries Program. Appointment of this chair will be recommended by the Dean of the College of Agriculture and Home Economics to the Provost and approved by the Board of Trustees.

Should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the programs relating to the food industries.

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March 4, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS**

Resolution No. 83-92

*Synopsis: Approval of plans and specifications for the following projects is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**AGRICULTURAL ADMINISTRATION BUILDING, 4-H CENTER AREA**

Project: Renovations to the east lobby of the Agricultural Administration Building to provide increased visibility and current information concerning 4-H educational programs throughout Ohio.

Funding: Contributions to The Ohio State University Development Fund

Estimated Project Cost: \$160,000

**MEANS HALL, ROOF REPLACEMENT**

Project: Due to weather deterioration, this roof is to be replaced with new roofing and insulation as necessary.

Funding: Local Hospital Funds

Estimated Project Cost: \$115,000

**OHIO STADIUM, REPLACE HOT WATER LINES AND WATERMAN FARM, GAS LINE INSTALLATION**

Project: Replace the hot water lines serving Ohio Stadium from McCracken Power Plant, due to deterioration of the existing lines. For cost effectiveness, install a natural gas line to serve the Waterman Farm Complex, converting the present propane to natural gas.

Funding: Local Contract Repair, 1982-1983

Estimated Project Cost: \$80,000

March 4, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That all final actions related to the award of the Agricultural Administration Building, 4-H Center Area will be dependent upon contributions received; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Hilliker, seconded by Mr. Redman, the foregoing resolution was adopted by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-93

*Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

**ENERGY CONSERVATION MEASURES (ECM-6)  
(UNIVERSITY HOSPITAL)**

Description: Energy conservation measures consisting of reduction of air flow to systems S1, AC1, 4S and 1AC; air flow control for operating rooms, unoccupied shut down for systems 1AH, ADM, 9th floor DX 4AC, 9AC, 73AC; discriminator control for 1AH, add mixed air controls for AC2 and AC3 at University Hospital. This project is a continuation of energy conservation at The Ohio State University and will result in a payback of expenditures in two years, seven months.

March 4, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENERGY CONSERVATION MEASURES (ECM-6)  
(UNIVERSITY HOSPITAL) (contd)**

**Mechanical Contract**

Date Received: January 7, 1983  
No. of Bids: 3  
Low Bid: \$ 77,800.00\*  
High Bid: \$ 81,500.00\*  
Estimate of Cost: \$ 88,000.00\*  
Awarded to: Limbach Company

**Electrical Contract**

Date Received: January 7, 1983  
No. of Bids: 11  
Low Bid: \$ 9,400.00  
High Bid: \$ 18,083.00  
Estimate of Cost: \$ 19,000.00  
Awarded to: American Electric Corp.

Total All Contracts: \$ 87,200.00

Total Contingency Allowance: \$ 13,993.00

Total Project Cost: \$115,208.00

Funding: Local University Funds and Federal Grant

\*Recommended alternates reflected in these figures.

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the project listed above are hereby approved.

Upon motion of Mr. Hilliker, seconded by Mr. Berry, the foregoing resolution was adopted by unanimous roll call vote.

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March 4, 1983 meeting, Board of Trustees

**ACCEPTANCE OF THE GIFT OF PROPERTY  
25 ACRES IN GENOA TOWNSHIP OF DELAWARE COUNTY**

Resolution No. 83-94

*Synopsis: Acceptance of a gift of approximately 25 acres in Delaware County, Ohio, through the establishment of a charitable remainder unitrust is proposed.*

WHEREAS Dr. James A. Rumbaugh of Westerville, Ohio, is the owner of approximately 25 acres of property located on Africa Road in Genoa Township of Delaware County and wishes to make a gift of this property for the ultimate benefit of the University through the establishment of an income-only charitable remainder unitrust, with the Treasurer of the University serving as Trustee; and

WHEREAS it has been determined that the acceptance of this gift and the establishment of the income-only unitrust are in the best interests of the University:

NOW THEREFORE

BE IT RESOLVED, That the Treasurer of the University, acting as Trustee pursuant to Resolution 77-22 (Authorization for the Treasurer of the University to Serve as Trustee for Unitrusts and Annuity Trusts) adopted by this Board September 10, 1976, be authorized to accept this gift of property for the ultimate benefit of the University and to execute all documents necessary to complete this gift.

Upon motion of Mrs. Bowser, seconded by Mr. Redman, the foregoing resolution was adopted by unanimous roll call vote.

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**GAS LINE EASEMENT TO FREDERICK PETROLEUM CORPORATION  
NOBLE COUNTY, OHIO**

Resolution No. 83-95

*Synopsis: Authorization to grant a continuation of existing gas line easement in Noble County is requested.*

WHEREAS the Agricultural Research and Development Center of The Ohio State University has property in Noble County, known as Unit II of The Eastern Ohio Resource Development Center, for the study of strip mining reclamation; and

WHEREAS the University on July 10, 1982 granted an easement for a 4" gas line to the Frederick Petroleum Corporation for the purpose of transmitting and selling natural gas from their wells to Columbia Gas; and

WHEREAS Frederick Petroleum Corporation has requested permission to extend a 2" gas line easement an additional 4100 feet northwest of the existing easement; and

March 4, 1983 meeting, Board of Trustees

**GAS LINE EASEMENT TO FREDERICK PETROLEUM CORPORATION  
NOBLE COUNTY, OHIO (contd)**

WHEREAS this line will be located so as not to interfere with any University operations;  
and

WHEREAS the Frederick Petroleum Corporation will pay The Ohio State University \$5.00  
per lineal rod (approximately \$1,242) for this easement; and

WHEREAS the appropriate University offices have recommended that this easement be  
granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance  
be authorized to request the Deputy Director of Public Works of the Department of Ad-  
ministrative Services, pursuant to his statutory duties, to act for and on behalf of the  
University in developing the necessary legal documents to provide for this easement.

Upon motion of Mr. Redman, seconded by Mr. Hilliker, the foregoing resolution was  
adopted by unanimous roll call vote.

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**AUTHORIZATION FOR DESIGNATED OFFICIALS TO  
BUY, SELL, ASSIGN AND TRANSFER SECURITIES,  
TO DEPOSIT OR WITHDRAW FUNDS FROM BANK ACCOUNTS,  
AND TO DESIGNATE DEPOSITORIES**

Resolution No. 83-96

*Synopsis: Authorization for designated officials to buy, sell, assign and transfer securities,  
to deposit or withdraw funds from bank accounts held in the name of The Ohio State Uni-  
versity, and to designate depositories is requested.*

WHEREAS designated officials of the University buy, sell, assign and transfer stocks, bonds  
and other financial instruments owned by The Ohio State University; and

WHEREAS various financial institutions are designated as depositories for The Ohio State  
University; and

WHEREAS accounts at various financial institutions are opened and maintained in the name  
of The Ohio State University:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Finance and/or the Treasurer  
be authorized and empowered to buy, sell, assign and transfer any and all stocks, bonds,

March 4, 1983 meeting, Board of Trustees

**AUTHORIZATION FOR DESIGNATED OFFICIALS TO  
BUY, SELL, ASSIGN AND TRANSFER SECURITIES,  
TO DEPOSIT OR WITHDRAW FUNDS FROM BANK ACCOUNTS,  
AND TO DESIGNATE DEPOSITORIES (contd)**

evidences of interest and/or indebtedness, rights and options to acquire or to sell the same, and all other securities corporate or otherwise, standing in the name of or belonging to The Ohio State University in any capacity; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance and/or the Treasurer be authorized and empowered to designate various financial institutions as depositories for The Ohio State University and open and maintain accounts at various financial institutions in the name of The Ohio State University; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance and/or the Treasurer be authorized, on behalf of The Ohio State University and in its name, to sign checks, drafts, notes, bills of exchange, acceptances or other orders for the payment of money from said accounts; to endorse in writing or by stamp checks, notes, bills, certificates of deposit or other instruments owned or held by this University for deposit in said accounts or for collection or discount by said banks; to accept drafts, acceptances, and other instruments payable to said banks; to waive, demand, protest, file notice of protest, or dishonor any check, note, bill, draft or other instrument made, drawn or endorsed by the University.

Upon motion of Mr. Redman, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**APPOINTMENT OF INVESTMENT COUNSELORS**

Resolution No. 83-97

*Synopsis: Appointment of Investment Counselors is proposed.*

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee, the following investment policies pertaining to the University's Investments Portfolio be implemented in accordance with the terms and conditions set forth.

Reappointment of the following-named investment managers to counsel in Endowment investments totaling the initial amounts indicated:

The Chicago Corporation	\$15,000,000
Huntington Investment Management Corporation	\$19,500,000
Siebel Capital Management, Incorporated	\$16,000,000
Webster Management Corporation	\$ 1,000,000

March 4, 1983 meeting, Board of Trustees

**APPOINTMENT OF INVESTMENT COUNSELORS (contd)**

Reappointment of the following-named investment manager to counsel in non-Endowment investments totaling the initial amount indicated:

Huntington Investment Management Corporation                      \$20,000,000

Upon motion of Mr. Galbreath, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EXPRESSION OF APPRECIATION TO EDWIN M. CRAWFORD**

Resolution No. 83-98

WHEREAS Edwin M. Crawford has served The Ohio State University since 1975 as Vice President for Public Affairs; and

WHEREAS under the leadership of Vice President Crawford many significant changes in the communications and public affairs programs of the University have been developed and implemented; and

WHEREAS the University as well as the community at large have benefited enormously from the presence and substantial contributions of Vice President Crawford during his tenure with this University; and

WHEREAS Mr. Crawford has submitted his resignation from his University position so that he might accept appointment as Director of Public Affairs for the San Diego Hospital Association effective in April, 1983:

NOW THEREFORE

BE IT RESOLVED, That the Board expresses to Edwin M. Crawford its gratitude for his years of excellent and dedicated service to The Ohio State University, and wishes him and his family every happiness and success in their move to California.

Upon motion of Mr. Hilliker, seconded by Mr. Galbreath, the foregoing resolution was adopted by unanimous voice vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-99

RESOLVED, That the report on the University's Investment Portfolio, dated February 18, 1983, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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March 4, 1983 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, April 1, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

John D. Jacob, D.D.S.  
Vice Chairman

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APPENDIX III

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

March 18, 1983

## Commencement Speaker

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### **Helen G. Edmonds**

Doctor of Humane Letters

Dr. Helen G. Edmonds has achieved eminence as a distinguished scholar and as a civic leader. Now professor emeritus of history, Dr. Edmonds was a member of the faculty of North Carolina Central University from 1941 until her retirement in 1977. She served that university as professor of history, graduate professor of history, chairperson of the Department of History, and dean of the Graduate School of Arts and Sciences. From 1971 to 1977 she was University Distinguished Professor. A prolific writer, Dr. Edmonds has written five books and numerous articles on history and international relations.

Dr. Edmonds' scholarly achievements have been matched by her contributions in public service. President Nixon appointed her an alternate delegate from the United States to the United Nations General Assembly in 1970, and she chaired the U.S. delegation to the Third Committee. She served as a member of the National Advisory Council of the Peace Corps, the Social Science Advisory Council to the U.S. Arms Control and Disarmament Agency, and the National Advisory Council to Education Professions Development of the U.S. Office of Education. She has represented the U.S. government on lecture tours in Western Europe and Africa. Among her many other activities, she was national chairperson of the Humanities Bicentennial Celebration of the Association for the Study of Afro-American Life and History.

Professor Edmonds began her academic career by earning a bachelor's degree from Morgan State University in 1933, and then continued her studies at The Ohio State University, receiving her master's degree in 1938 and her doctorate in 1946. The University community takes great pride in bestowing its highest honor on an alumna whose many contributions to higher education and to this nation and its people will stand as a source of inspiration to our students today and in the future.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Philosophy

- Abdulshafi Ahmed Abdulshafi, Columbus; B.S. (Cairo University); M.S.; *Civil Engineering*; Dr. Kamran Majidzadeh
- Nasreldin M. Adam, Khartoum, Sudan; B.S. (Alexandria University); M.S. (Reading University); *Agronomy*; Dr. Paul R. Henderlong
- Dennis Ira Aig, Queens Village, N. Y.; B.A. (Queens College of City University of New York); M.A.; *English*; Dr. Patrick B. Mullen
- Douglas Stewart Allen, Florence, Ala.; B.S., M.S. (Auburn University); *Zoology*; Dr. John D. Harder
- Robert J. Armstrong, Columbus; B.A. (Temple University); M.Div. (Princeton Theological Seminary); *Education*; Dr. William D. Dowling
- Linda Smith Bamber, Lancaster; B.S. (Wake Forest University); M.B.A. (Arizona State University); *Accounting*; Dr. Thomas B. Burns
- Kamran Barin, Tehran, Iran; B.S. (Aryamehr University of Technology); M.S.; *Electrical Engineering*; Dr. Said H. Kouzekanani
- Lamont Evan Beaver, Marion; B.S. (Case Western Reserve University); M.S. (Ohio University); *Chemical Engineering*; Dr. Liang Shih Fan
- Alireza Behbahani, Tehran, Iran; B.S. (Utah State University); M.S.; *Nuclear Engineering*; Dr. Don W. Miller
- Jennifer Anne Bell, Jamaica, West Indies; B.A. (Honors), M.A., Diploma (The University of the West Indies); *Education*; Dr. Lonnie H. Wagstaff
- John Robert Bowman, Red Springs, N. C.; B.A. (University of Kentucky); M.S. (Florida State University); *Sociology*; Dr. Alfred C. Clarke
- Karen S. Brady, Glendale, Calif.; B.A. (University of California, Los Angeles); M.A. (University of California, Davis); M.S. (California Polytechnic State University); *Agronomy*; Dr. Jerry M. Bigham
- James Charles Brown, San Francisco, Calif.; B.A. (University of California); M.S. (San Francisco State University); *Physics*; Dr. Richard G. Seyler
- Michael D. Bush, Colorado Springs, Colo.; B.A. (Brigham Young University); M.B.A. (University of Missouri); *Education*; Dr. Gilbert A. Jarvis
- Roberta Saipher Cable, Columbus; B.A. (Brooklyn College); M.S.W.; *Health, Physical Education, and Recreation*; Dr. Robert Kaplan
- Vivien Ordoná Canora, Cebu City, Cebu, Philippines; B.A., M.A. (University of San Carlos); M.A.; *Agricultural Economics and Rural Sociology*; Dr. Ted L. Napier
- Li-Kow Chang, Tung-Sung, Taiwan, R.O.C.; B.S.Ch.E. (National Taiwan University); M.S.Ch.E. (University of Arkansas); *Chemical Engineering*; Dr. Robert S. Brodkey
- Woo Hyun Cho, Korea; B.A. (Seoul National University); M.A. (The State University of New York); *Economics*; Dr. Donald O. Parsons
- Tai-Tseng Chu, R.O.C.; B.S. (National Cheng Kung University); M.S. (Old Dominion University); *Electrical Engineering*; Dr. Walter D. Burnside
- Henry Wei-Ming Chung, Tainan, Taiwan, China; B.S. (National Tsing-Hua University); M.S. (The University of Texas); *Metallurgical Engineering*; Dr. Digby D. MacDonald
- Shamita Das Dasgupta, Calcutta, West Bengal, India; B.S., M.A.; *Psychology*; Dr. Henry R. Angelino
- Alan Angelo DiSpirito, North Smithfield, R. I.; B.S. (Providence College); M.S.; *Microbiology*; Dr. Olli H. Tuovinen
- Daniel Chalmers Douglas, Columbus; B.S.; M.A. (Chapman College); *Education*; Dr. Walter G. Hack
- Frederick Douglas, Jr., Philadelphia, Pa.; B.A. (St. Augustine's College); M.Ed. (West Chester State College); *Health, Physical Education, and Recreation*; Dr. Walter F. Erising
- Larry Allan Early, Cincinnati; B.A., M.A. (University of Cincinnati); *Education*; Dr. Greg L. Trzebirtonski
- Lee Edward Ekleberry, Columbus; B.S. (Bowling Green State University); *Art Education*; Dr. Arthur D. Efland
- Kuo-Shuh Fan, Taiwan, R.O.C.; B.S. (National Chung Hsing University); M.S. (Iowa State University); *Civil Engineering*; Dr. Robert M. Sykes
- John Kevin Ford, East Lansing, Mich.; B.S. (University of Maryland); M.A.; *Psychology*; Dr. Richard J. Klimoski
- Robert D. Gaglianella, Columbus; B.S.E.E., B.S. (Syracuse University); M.S.; *Electrical Engineering*; Dr. Hooshang Hemami
- Richard Kevin Goeke, Bellefontaine; A.B. (University of Notre Dame); M.A.; *Education*; Dr. Donald J. Tosi
- Robin Gofberg, Philadelphia, Pa.; B.A. (Temple University); M.A.; *Psychology*; Dr. W. Bruce Walsh
- Marcia Mae Gowen, Rochester, N. Y.; B.S. (Smith College); M.S.; *Agricultural Economics and Rural Sociology*; Dr. Fredrick J. Hitzhusen
- Harpal Singh Grewal, Narangwal, Punjab, India; B.S., M.S. (Punjab Agricultural University); *Agricultural Economics and Rural Sociology*; Dr. Dale W Adams
- Ahmed Mostafa-M Hassan, Alexandria, Egypt; B.S., M.S. (Alexandria University); *Pharmacy*; Dr. Donald T. Witik
- Cheng Hsu, Troy, N. Y.; B.S.I.E. (Tunghai University); M.S.; *Business Administration*; Dr. Wilpen L. Gorr
- Thomas Alan Huber, Cuyahoga Falls; B.S. (Westminster College); M.S.; *Agronomy*; Dr. John G. Streeter
- Deborah Ann Hunsberger, Wadsworth; B.A. (Oberlin College); M.A. (University of Nebraska); *German*; Dr. Gisela M. Vitt
- Roger Clark Inman, Baker, Ore.; D.V.M. (Washington State University); *Veterinary Physiology and Pharmacology*; Dr. Roger A. Yearry
- Jamaledin Izadian, Meshed KH, Iran; B.S. (University of Kentucky); M.S.; *Electrical Engineering*; Dr. Leon Peters, Jr.
- Shih-Zong Jang, Hualien, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); M.S.; *Civil Engineering*; Dr. Alfred G. Bishara
- Stephen M. Judah, Vincennes, Ind.; B.A. (Wabash College); M.A.; *Education*; Dr. Donald J. Tosi
- Kenneth Robert Keeley, Westerville; B.S. (East Stroudsburg State College); M.Ed. (Pennsylvania State University); *Education*; Dr. Anthony C. Riccio
- John William Kensing, Greenfield; B.A. (Miami University); M.B.A. (University of Utah); *Business Administration*; Dr. Andrew H. Chen
- Maureen Rogan Latanick, Columbus; B.S. (Marywood College); M.S. (Case Western Reserve University); *Home Economics*; Dr. Virginia M. Vivian
- Lena Mae Leach, Mansfield; A.B. (Friends University); M.A. (California State University); *Music*; Dr. Jerry E. Lowder
- Keun-sang Lee, Seoul, Korea; B.A., M.A. (Seoul National University); M.A. (Ohio University); *Political Science*; Dr. David M. Lampton
- Robert Down Leffingwell, Slippery Rock, Pa.; B.A. (Westminster College); M.A. (The Pennsylvania State University); *Communication*; Dr. Joseph M. Foley
- Sandra Kay Lewis, Pomeroy; B.S.; M.S. (Ohio University); *Health, Physical Education, and Recreation*; Dr. Edward L. Fox
- Shew-fen Lin, Columbus; B.S. (National Taiwan University); M.S. (University of Rhode Island); *Chemical Engineering*; Dr. Robert S. Brodkey
- Dan Dale Lindley, Salt Lake City, Utah; A.B. (Whitman College); M.S.; *Chemical Engineering*; Dr. Harry C. Hershey
- John Francis Littlefield, Waverly; B.S. (St. Peter's College); M.A. (Marshall University); *Education*; Dr. William D. Dowling

- Jim Wen Robert Liu, Taipei, Taiwan, R.O.C.; B.S. (The National Taiwan Normal University); M.S. (The Pennsylvania State University); *Horticulture*; *Dr. James F. Gallander*
- Yu-Jih Liu, Wyoming, Mich.; B.S. (National Taiwan University); M.S. (University of Rochester); *Electrical Engineering*; *Dr. Stuart A. Collins*
- Carol Ann Lyons, Dublin; B.A. (Mercyhurst College); M.A.; *Education*; *Dr. Marlin L. Languis*
- Carolyn Ray Mahoney, Columbus; B.A. (Sienna College); M.A.; *Mathematics*; *Dr. Thomas A. Douling*
- Michael A. Marchiarullo, Columbus; B.S. (Manhattan College); *Biochemistry*; *Dr. Robert T. Ross*
- Stephen Aaron Marcus, New York, N. Y.; B.S. (Union College); M.A.; *Psychology*; *Dr. Richard J. Klimoski*
- Ellen Marie Martin-Huff, Columbus; B.S. (Northwestern University); B.S. (*Education*); *Dr. C. Ray Williams*
- Phillip Lindsay Mason, St. Louis, Mo.; B.F.A., M.F.A. (California College of Arts and Crafts); *Art Education*; *Dr. Arthur D. Efland*
- Thomas C. McCain, Trenton, S. C.; B.S. (Paine College); M.Ed. (University of Georgia); *Education*; *Dr. William Moore, Jr.*
- Marilynn Mikolusky, Clarion, Pa.; B.A., M.A. (Michigan State University); *Education*; *Dr. Roy A. Larmee*
- Mark Allen Miller, Oak Ridge, Tenn.; B.A. (College of Wooster); M.S.; *Chemistry*; *Dr. Eugene P. Schram*
- Elizabeth A. Miranda, Caguas, Puerto Rico; B.A., M.S.W. (University of Puerto Rico); *Social Work*; *Dr. Richard R. Medhurst*
- Shaker Ahmed Mousa, Columbus; B.S., M.S., M.S. (University of Alexandria); *Pharmacology*; *Dr. Daniel Couri*
- Michael Patrick Murphy, Columbus; B.S. (Xavier University); *Pathology*; *Dr. Gerald P. Brierley*
- Michael Lee Norton, Vienna, Va.; B.M.Ed. (James Madison University); M.A.; *Music*; *Dr. Keith E. Mixter*
- Richard Peter Oestreich, Worthington; B.A. (St. Francis College); M.A. (Catholic University of America); M.A. (University of Wisconsin); *Education*; *Dr. Steven W. Leclair*
- Camilo Lalap Opena, San Pablo City, Philippines; B.S.A., M.A.B. (University of the Philippines); M.B.A.; *Business Administration*; *Dr. Lee C. Nehrt*
- Tamer Mehmet Ozsuz, Ankara, Turkey; B.S., M.S. (Middle East Technical University); M.S.; *Computer and Information Science*; *Dr. Bruce W. Weide*
- Georga Larsen Parchem, Granville; B.A. (Macalester College); M.A. (University of Vermont); *Education*; *Dr. George L. Lewis*
- Arie Pery, Columbus; B.S., M.S. (Technion, Israel); *Mechanical Engineering*; *Dr. Ernest O. Doebelin*
- Jill A. Pfister, Springfield; B.S., M.S. (University of Maryland); *Agricultural Education*; *Dr. Lawrence H. Newcomb*
- Robert J. Puskar, Dayton; B.S. (Pennsylvania State University); M.S.; *Electrical Engineering*; *Dr. Curt A. Lewis*
- Mohammad Abdul Quadir, Kendua, Mymensingh, Bangladesh; B.S., M.S. (Bangladesh Agricultural University); *Horticulture*; *Dr. Dale W. Kretchman*
- Mohammad Rabieh, Iran; B.S. (Tehran University); M.A.; *Vocational Education Comprehensive Program*; *Dr. Otto Santos*
- Kathleen Theresa Rajkowski, Columbus; B.S. (New York University); M.S. (University of Connecticut); *Food Science and Nutrition*; *Dr. Emil M. Mikolajcik*
- Thomas Guy Savino, Columbus; B.A. (Cornell University); *Chemistry*; *Dr. John S. Swenton*
- Wendy Talbott Schaff, Pataskala; B.A. (Connecticut College); M.A. (University of Connecticut); *Psychology*; *Dr. Henry Leland*
- Linda Gail Schoen, Columbus; B.A., M.A.; *Psychology*; *Dr. Lyle D. Schmidt*
- James Owen Schwarz, Groveport; B.S., M.A.; *Health, Physical Education, and Recreation*; *Dr. Daryl Siedentop*
- Jeong-Shik Shin, Seoul, Korea; B.Comm., M.Comm. (Seoul National University); M.A.; *Economics*; *Dr. Jerry G. Thursby*
- Gong-Huey Shue, Columbus; B.S. (National Chung-Hsing University); M.S. (National Taiwan University); *Chemistry*; *Dr. Harold Shechter*
- Yuk-chow So, Kowloon, Hong Kong; Diploma (Hon.) (Hong Kong Baptist College); M.B.A. (Western Illinois University); *Business Administration*; *Dr. Andrew H. Chen*
- Suzanne Crain Stege, Delaware; B.A. (Texas Tech University); M.Ed. (Tulane University); *Education*; *Dr. James V. Wigtil*
- Betty Wilson Story, Jefferson, Tex.; B.S. (Meharry School of Nursing); M.S.; *Education*; *Dr. Anthony C. Riccio*
- Mary Beth Strauss, Columbus; B.S.N. (Cornell University); M.N. (University of Washington); *Education*; *Dr. Lonnie H. Wagstaff*
- Tyzzh-Chiang Sun, Taipei, Taiwan, R.O.C.; B.S., M.S. (National Chen-Kung University); *Metallurgical Engineering*; *Dr. David A. Rigney*
- Carol Ann Sutton, Indianapolis, Ind.; B.A. (Purdue University); M.A.; *Psychology*; *Dr. Henry R. Angelino*
- James Alan Tackett, Niles; B.S., M.B.A. (Youngstown State University); *Accounting*; *Dr. John K. Shank*
- Akbar Tavakoli-Qinani, Isfahan, Iran; B.A. (Tehran University); M.A. (University of California); *Economics*; *Dr. Donald R. Haurin*
- Wen-Ta Tsai, Miao-Li, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); M.S. (University of Wisconsin); *Metallurgical Engineering*; *Dr. Susan S. Smialowska*
- Charles Craig Weaver, Worthington; B.S. (Otterbein College); M.A. (Xavier University); *Education*; *Dr. Donald K. Matheus*
- Elizabeth J. Weldon, Mission, Kans.; B.A. (California State University); M.A.; *Psychology*; *Dr. Milton D. Hake*
- David Clement Whitcomb, Warsaw, Ind.; B.S. (Manchester College); M.S.; *Physiology*; *Dr. Margaret T. Nishikawara*
- Darrell Leon Wilkes, Hawk Springs, Wyo.; B.S., M.S. (University of Wyoming); *Animal Science*; *Dr. Walter R. Harvey*
- Maria Rosa Olivera Williams, Uruguay, South America; B.A.S. (University of Toledo); M.A.; *Romance Languages and Literatures*; *Dr. Grinor Rojo*
- James Thomas Zebroski, Columbus; B.S., M.A.; *Education*; *Dr. Donald R. Bateman*

## Master of Accounting

- Katikineni Ashok Kumar, Hyderabad, Andhra Pradesh, India; B.S. (Osmania University); M.B.A.; *Accounting*
- Vijay Kumar Sankaran Pudukcheri, Madras, India; B.S. (University of Madras); M.B.A.; *Accounting*
- Su-Ming Angela Tsai, Taipei, Taiwan, R.O.C.; B.A. (Fu-Jen Catholic University); *Accounting*

## Master of Applied Statistics

- Peter Austin Beshuk, Pataskala; B.A. (Ball State University); *Statistics*

## Master of Architecture

- Messaoud Abbaoui, Setif, Algeria; B.Arch. (University of Constantine); *Architecture*
- Dana Quigley Brawley, Columbus; B.A. (University of Washington); *Architecture*
- Charles Coleman Griffith, Washington, D. C.; B.Arch. (Catholic University of America); *Architecture*
- Gregory Wayne Gutman, Columbus; B.S. (University of Illinois); *Architecture*
- Steven D. Herold, Columbus; B.S. (Miami University); *Architecture*
- Said Madani, Setif, Algeria; B.Arch. (University of Constantine); *Architecture*

## Master of Arts

- Virginia D. Anderson, Delaware; A.B. (Pembroke College in Brown University); *Education*
- Laurel Susan Antler, Columbus; B.S.; *Education*
- Cheryl S. Babcock, Reynoldsburg; B.A.; *Education*
- Anna Bahiri, Columbus; B.A. (Bengurion University); *Education*
- Timothy George Baily, Taunton, England; B.A. (Durham University); *History*
- Dorothea Louise Barry, Mansfield; B.S. (Ohio University); *Education*
- Dan Evan Belville, Delaware; B.S. (Bowling Green State University); *Education*
- Marie L. Berrocal, Columbus; B.A. (University of Puerto Rico); *Art Education*
- Minda S. Bickley, Columbus; B.A.; *Communication*
- Kent Norman Bowser, Columbus; B.A., B.S.; *Photography and Cinema*
- Daniel V. Bradhurst, Circleville; A.B. (Ohio University); *Public Administration*
- Eva Spence Brunken, Oklahoma City, Okla.; B.S. (Central State University); *Education*
- Vinnie Vanessa Bryant, Montrose, Ga.; B.S. (Fort Valley State College); *History*
- Susan E. Burbridge, Cincinnati; B.A. (Wittenberg University); *Psychology*
- Virginia Davis Caldwell, Columbus; B.S.; *Education*
- Mary Josephine Cattey, Columbus; B.S.; *Education*
- Catherine G. Cockrell, Columbus; B.S. (Southern University); *Education*
- Jill Prinkey Conrad, Columbus; B.S. (Slippery Rock State College); *Education*
- William Lee Crawford, McDermott; B.S. (Cameron College); M.Ed. (Ohio University); *Education*
- Deborah Daubenspeck, Austintown; B.A.; *Communications*
- James Leroy Davis, Hilliard; B.Mus. (Capital University); *Music*
- Jady L. DeGiralomo, Columbus; B.S.; *Education*
- Rose M. DeGraaf, Columbus; B.A. (Calvin College); *Education*
- Rose M. DePontis, Milwaukee, Wis.; B.A. (University of Wisconsin); *English*
- Davan James Dodrill, Columbus; B.A. (University of South Carolina); B.S.; *Education*
- Linda Eberst Dorsten, Columbus; B.A. (Otterbein College); *Sociology*
- Alawia Mohammed El-Natig, Khartoum, Sudan; B.A. (University of Khartoum); *Black Studies*
- David Ray Ellison, Columbus; B.A. (Davidson College); *Psychology*
- David Allen Faulconer, Arlington, Va.; A.B. (Indiana University); *Sociology*
- Karen Marie Fitzsimmons, Columbus; B.A. (University of Dayton); *Education*
- Mark Philip Ford, Mansfield; B.S.; *History of Art*
- Stuart Alan Foster, Washington C. H.; B.A. (West Virginia University); *Geography*
- Garry Leroy Fourman, Dayton; Zwischenprüfung (Marburg, West Germany); *German*
- Yu-Chin Shu Fu, Taoyuan, Taiwan, R.O.C.; B.A., M.A. (National Chengchi University); *Psychology*
- Jane E. Garber, Lancaster; B.S. (Ohio University); *Education*
- Genetta Ann Gardner, Columbus; B.A. (Wright State University); *History of Art*
- Edwin Harmon Garver, Westerville; B.S. (Capital University); *Health, Physical Education, and Recreation*
- Denise Marie Geregach, North Royalton; B.S.; *Public Administration*
- Lorna Montie Gerhart, Cleveland; B.A. (Oberlin College); *Political Science*
- Pamela L. Gouldsberry, Avon Lake; B.S.Soc.Wel.; *Public Administration*
- Deborah Jeanne Greenham, Columbus; B.A. (Miami University); *Public Administration*
- India Melise Hamilton, Cordele, Ga.; B.S. (Albany State College); *Education*
- Dawn M. Harkett, Pittsburgh, Pa.; B.A. (Pennsylvania State University); *English*
- Shawn Kimberly Hayth, Cuyahoga Falls; B.A. (University of Minnesota); *Health, Physical Education, and Recreation*
- Marilyn Ann Herd, Columbus; B.S.; *Education*
- Faye Zimpfer Herriott, Columbus; B.S.; *Education*
- Kathy Ellen Hobbs, Cambridge; B.S.; *Public Administration*
- Ted Hodgson, Columbus; B.S.; *Health, Physical Education, and Recreation*
- James Miller Hoerath, Westerville; B.S.; *Education*
- Donald Michael Horton, Cincinnati; B.A. (Wittenberg University); *Health, Physical Education, and Recreation*
- Ching-fen Hu, Taipei, Taiwan, R.O.C.; B.A. (National Taiwan University); *Journalism*
- James Douglas Hudson, Philadelphia, Pa.; B.A. (Wilberforce University); *Public Administration*
- Valerie M. Hudson, Columbus; B.A. (Brigham Young University); *Political Science*
- John Michael Huntzinger, Columbus; B.A. (Pontifical College Josephinum); *Psychology*
- Joyce Ann Johnston, Marion; B.S. (Bowling Green State University); *Education*
- Jacqueline Renee Kendall, Portsmouth, Va.; B.S. (Livingstone College); *Health, Physical Education, and Recreation*
- Carole Jane Kientz, Grove City; B.S.N.; *Health, Physical Education, and Recreation*
- Brian J. Klopfenstein, Kansas City, Mo.; B.A. (William Jewell College); *History*
- Barbara Gail Koren, Williamsville, N. Y.; A.B. (Ohio University); *Public Administration*
- Cada L. McDannel Lauener, Fredericktown; B.S. (Ohio University); *Education*
- Linda Whiteside Leslie, Worthington; B.S. (Ashland College); *Education*
- Jeffrey Burke Light, Lima; B.F.A.; *Photography and Cinema*
- Catherine Anne Martin, Medina; B.A. (Adrian College); *Education*
- Rosemary L. Matich, Columbus; B.A. (University of Akron); *Photography and Cinema*
- Carol Lynn McBurney, Columbus; B.A.; *Journalism*
- Nota M. McCall, Mt. Vernon; A.B. (Mt. Vernon Nazarene College); *Education*
- David A. Merkle, Columbus; B.S., M.S.W.; *Public Administration*
- Ether Sarah Merves, Columbus; B.S.; *Sociology*
- Ronald Lee Miller, Groveport; B.S.; *Education*
- Mohd Yunos Bin Mohamad, Nibong Tebal, Penang, Malaysia; B.A. (Universiti Sains Malaysia); *Art Education*
- Jane Skidmore Nance, Westerville; B.S.; *Education*
- Janny Joy Nauman, Mansfield; B.A. (Arizona State University); *Communication*
- Gina Neer, Newark; B.S. (Miami University); *Education*
- Linda D. Nelson, Columbus; B.A. (Bowling Green State University); M.Ed., Ed. Specialist (Kent State University); *Psychology*
- Dan Kevin Niles, Columbus; B.S., M.S.W.; *Public Administration*
- Deborah Harris O'Brien, Cumberland, Md.; B.A. (The Catholic University of America); *Psychology*
- Douglas Lee Payne, Cincinnati; B.S.; *Public Administration*



Janice Margaret Perry, Adelaide, South Australia; B.S.E. (Flinders University); *Education*

Christina René Pinkston, Delaware; B.A. (Ohio Wesleyan University); *English*

Susan Frances Pochon, Kokomo, Ind.; B.A. (Purdue University); *Public Administration*

Rowena Pon, Columbus; B.F.A.; *Photography and Cinema*

Julie Marie Pulciper, Williamsburg, Mich.; B.S. (Michigan State University); *Health, Physical Education, and Recreation*

Joseph Anthony Quinlan, Jr., Allegany, N. Y.; B.S. (Slippery Rock State College); *Health, Physical Education, and Recreation*

Carol Ann Reed, Columbus; B.S.; *Education*

Gwendolyn Rippey, Columbus; B.A., B.S. (Miami University); *Communication*

Joan Gardner Risinger, Westerville; B.S.; *Education*

Barbara Lynn Romanczuk, Hillsboro; B.A. (Kent State University); *Romance Languages and Literatures*

Caryn Thornburg Sabistina, Akron; B.A. (Ohio University); *Education*

Ellen Seibert, Columbus; B.A.; *English*

Shih-Lung Shaw, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Geography*

Barbara Ann Shurgot, Kenmore, N. Y.; B.S. (St. Bonaventure University); *Psychology*

Gary Lee Sieg, Columbus; B.S.; *Public Administration*

Eric Gersohn Singer, Chicago, Ill.; B.A. (Macalester College); M.A. (University of Chicago); *Political Science*

Kevin Charles Smith, Westerville; B.A. (LaSalle College); M.A. (Lehigh University); Ph.D.; *Education*

Marcia Ann Strom, Rockford, Ill.; B.M.E. (Illinois State University); *Music*

Michael Joseph Szczepanik, Columbus; B.A. (University of Kansas); *English*

Wendy Beck Tatman, Columbus; B.S. (Capital University); *Education*

Lup Meng Thor, Selangor, Malaysia; B.A. (Hons.) (University of Science, Malaysia); *Education*

Gary Tiktin, Euclid; B.S., B.A.; *Philosophy*  
Thomas Vaughn Tinkler, Youngstown; B.A. (Hiram College); *Education*

Steve Joseph Tirpak, Jr., Conway, Pa.; B.S. (Pennsylvania State University); *Education*

Ekaete William Udo, Oku-Uyo, Nigeria; B.A. (Shaw University); *Education*

Nancy Lynn Walker, Gallipolis; B.S. (Capital University); *Education*

Evelyn Anne Wampler, Granville; B.A. (Otterbein College); *Education*

Virginia Ann Wemmerus, Columbus; B.S. (Mary Washington College); *Psychology*

Mark Denton Whitmore, El Paso, Tex.; B.S. (University of Texas at El Paso); *Psychology*

Linda Lou Wiggins, Columbus; B.A.; *English*

Claudia Starr Wilkinson, Worthington; B.A. (University of Akron); *Education*

Gail Carmelita Williams, Kissimmee, Fla.; B.A. (Bethune-Cookman College); *Communication*

Jackie S. Wright, Columbus; B.S. (Indiana State University); *Education*

Richard Paul Yoder, Baton Rouge, La.; B.A. (Louisiana State University); *English*

### Master of Business Administration

Kathleen Merie Dunbar, Tarrytown, N. Y.; B.A. (Denison University); M.C.R.P.; *Business Administration*

James Richard Flath, Shelby; B.S.Bus. Adm.; *Business Administration*

Susan Lynn Fried, Columbus; B.S.; *Business Administration*

Kathleen Frank Howard, Dublin; B.S.; *Business Administration*

William Harold Jorgensen, Columbus; B.A.; *Business Administration*

Samuel Denton Koon, Reynoldsburg; B.S.; *Business Administration*

Steven P. Krakoff, Toledo; B.S. (University of Cincinnati); *Business Administration*

Kathleen Lynn Nesser, Columbus; B.S.; *Business Administration*

Carolyn Ann Obert, Columbus; B.A.; *Business Administration*

Patrick Joseph Quinn, Alliance; B.A.; *Business Administration*

Alvin Charles Rodack, Red Bank, N. J.; B.S.Bus. Adm.; *Business Administration*

Nancy Ellen Spada, Centerport, N. Y.; B.S.Bus. Adm.; *Business Administration*

### Master of City and Regional Planning

Christopher Kimball Badger, Columbus; B.A.A.E., M.Div. (Methodist Theological School); *City and Regional Planning*

Paul Michael Beno, Oberlin; B.A. (Miami University); *City and Regional Planning*

Henry Todd Bickley, Sandusky; B.A. (University of Dayton); *City and Regional Planning*

John Stuart Cover, Cleveland Heights; B.A. (Muskingum College); *City and Regional Planning*

Alvin Jon Hallas, Columbus; B.M.E.; *City and Regional Planning*

James Edward Karas, Glenview, Ill.; B.A. (Southern Illinois University at Carbondale); *City and Regional Planning*

Cynthia Yvonne Owens, Columbus; B.A.; *City and Regional Planning*

Douglas Lee Payne, Cincinnati; B.S.; *City and Regional Planning*

Casidys Suvongse, Bangkok, Thailand; B.Arch. (King Mongkut's Institute of Technology); M.Arch.; *City and Regional Planning*

Alice Ann Wetzel, Dayton; B.A.; *City and Regional Planning*

### Master of Health Administration

David Stanley Pennington, Ashville; B.A. (University of Washington); *Hospital and Health Services Administration*

### Master of Humanities

Evelyn Roland Nateman, Columbus; B.S., M.A.; *Humanities*

Chantana Vichaiikul, Bangkok, Thailand; B.A. (St. Paul College of Manila); *Humanities*

### Master of Labor and Human Resources

Nuraddeen Mohammed Auwal, Kano, Nigeria; B.Sc. (Bayerd University); *Labor and Human Resources*

Therese A. Brett, Ravenna; B.A.; *Labor and Human Resources*

Brooks James Friley, Columbus; B.A., M.B.A.; *Labor and Human Resources*

Herbert Thomas Kozak, Zanesville; B.S.; *Labor and Human Resources*

Alain Michel Millon, Sens, Yonne, France; B.A. (University of Houston); *Labor and Human Resources*

Joan Patricia Moser, Worthington; B.A. (Otterbein College); *Labor and Human Resources*

Wendell Curtis Mulford, Chillicothe; B.S.; *Labor and Human Resources*

### Master of Music

So-Ham Chung, Seoul, Korea; B.M. (Seoul National University); *Music*

Elizabeth Wells Fleisher, Columbus; L.R.A.M., A.R.C.M. (Royal Academy of Music); M.A.; *Music*

Scott Phillip Michal, South Bloomingville; B.M.; *Music*

## Master of Public Administration

Gary Donald Garver, West Jefferson; B.A.; *Public Administration*

Richard Harold Henderson, Columbus; B.C.E.; *Public Administration*

Thomas Bret Merritt, Berea; B.S. (Ohio Dominican College); *Public Administration*

## Master of Science

Rosly Abdul-Kadir, Kelantan, Malaysia; B.A.S. (Royal Melbourne Institute of Technology); Diploma (Institute of Aerial Survey and Earth Sciences); *Geodetic Science and Surveying*

El-Mahdi M. Abousetta, Tripoli, Libya; B.S. (Al-Fateh University); *Electrical Engineering*

John Joseph Abt, Wooster; B.S. (Kent State University); *Plant Pathology*

Rajendra Kumar Agrawala, India; B.E. (Allahabad University); B.S. (University of Calcutta); M.S. (University of Manitoba); *Nuclear Engineering*

Nizar Al-Holou, Salamieh, Syria; B.S. (Damascus University); *Electrical Engineering*

Jeffrey Dale Alder, Toledo; B.S.; *Microbiology*

Linda Allen, Portland, Ontario, Canada; D.V.M. (University of Guelph); *Veterinary Anatomy*

Ricky Lavon Andrews, Euless, Tex.; B.S. (Southern University); *Dairy Science*

Debra Marie Armstrong, Greensburg, Ind.; B.S. (Purdue University); *Horticulture*

Wellington C. B. Banks, Monrovia, Liberia; B.S. (University of Liberia); *Geodetic Science and Surveying*

Raymond Andrew Beaumier, Kenosha, Wis.; B.S. (University of Wisconsin); *Natural Resources*

Micheline Angela Bensman, Fairport Harbor; B.S. (Bowling Green State University); *Nursing*

Mark Spencer Bevelhimer, Logansport, Ind.; B.A. (Wabash College); *Zoology*

James Russell Bland, Dayton; B.S. (Wright State University); *Allied Medical Professions*

David Paul Boerschlein, Webster, N. Y.; B.S. (Wittenberg University); M.S.; *Computer and Information Science*

Rickey Eteyel Boyd, Cullman, Ala.; B.S. (United States Military Academy); *Civil Engineering*

Donald Joseph Brown, Aurora; B.S.; *Agricultural Economics and Rural Sociology*

Teresa Hite Bryan, Sabina; B.S.; *Allied Medical Professions*

Helmut Josef Buchner, Bonn, West Germany; Ingenieur (Fachhochschule Cologhe); *Electrical Engineering*

Brian Scott Burns, Vienna; B.E. (Youngstown State University); *Nuclear Engineering*

Scott Sager Campbell, Columbus; B.S.; *Ceramic Engineering*

I-Hsing Chang, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Industrial and Systems Engineering*

Ted Te-Wang Chang, Taiwan, R.O.C.; B.S. (National Taiwan University); *Electrical Engineering*

Inching Gilment Chen, Taiwan, R.O.C.; B.S.E.E. (National Chiao Tung University); *Electrical Engineering*

Shih-ou Chen, Taiwan, R.O.C.; B.S. (National Cheng Kung University); *Electrical Engineering*

Wee Tong Chia, Kuala Lumpur, Federal Territory, Malaysia; B.S. (North East London Polytechnic, U.K.); *Geodetic Science and Surveying*

Lin Chiu, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Computer and Information Science*

Jo-Yu Chuang, Tainan, Taiwan, R.O.C.; B.S. (Tamkang College); *Mechanical Engineering*

Charles Lloyd Clum, Marion; B.S. (Ohio Northern University); *Civil Engineering*

Daniel F. Collins, Cincinnati; B.S. (University of Cincinnati); *Natural Resources*

Robert Joseph Comparin, Columbus; B.S. (Virginia Polytechnic Institute and State University); *Mechanical Engineering*

William Brian Daniels, Canandaigua, N. Y. B.S. (University of Rochester); *Geology and Mineralogy*

R. Kevin Devine, Columbus; B.S.; *Industrial and Systems Engineering*

G. Chris Dobrin, Cuyahoga Falls; B.S.; *Entomology*

Debra-ree Patricia Drake, West Wareham, Mass.; B.A. (Coe College); *Zoology*

Russell Ivan Dresbach, Zanesville; B.S.; *Geology and Mineralogy*

Alice Remington Drew, Annapolis, Md.; B.S. (College of Charleston); M.S. (University of South Carolina); *Geodetic Science and Surveying*

Abubakar K. Eghan, Kumasi Ash., Ghana; B.S. (University of Science and Technology); *Metallurgical Engineering*

Mohamed I.M. Elamin, Khartoum, Sudan; B.S. (North East London Polytechnic); Diploma (Khartoum Higher Institute); *Geodetic Science and Surveying*

Nancy Mary Farmer, Akron; B.A. (University of Akron); *Home Economics*

DiAnne Fennell, Bridgeport, W. Va.; B.S., B.A. (West Virginia University); *Computer and Information Science*

Kimberly Anne Gardner, Yardley, Pa.; B.S.; *Natural Resources*

Emery Frederick Gedeon, Bay Village; B.E.E.T. (Ohio Institute of Technology); *Electrical Engineering*

Teresa Leigh Gibson, Columbus; B.S.; *Computer and Information Science*

David J. Gonsalvez, Trivandrum, India; B.Tech. (Indian Institute of Technology—Madras); *Industrial and Systems Engineering*

Tomislav M. Gracanin, Columbus; B.S.; *Geology and Mineralogy*

Carl Ormond Gray, Jr., Gahanna; B.S.; *Animal Science*

Charles Edward Hall, Jr., West Chester; B.S. (Xavier University); *Physics*

Patricia Ann Hammel, Linden, N. J.; B.S.; *Poultry Science*

Mary Beth Hasted, Mark Center; B.S.; *Animal Science*

Jeffrey Blain Hebble, Shelby; B.S. (Purdue University); *Agricultural Economics and Rural Sociology*

Michael John Higgins-Luthman, Columbus; B.S. (University of Dayton); *Biophysics*

Gerald Lee Hodges, Byesville; B.S.N. (Ohio University); *Nursing*

Christy Lyn Holstead, Venetia, Pa.; B.S. (The Pennsylvania State University); *Horticulture*

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Warren Charles Johnson, Middletown; B.S.; *Mechanical Engineering*

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Karl Andrew Klein, Springfield; B.S.; *Animal Science*

Roger Loring Knight, North Bloomfield; B.S.; *Zoology*

Andrew L. Kolesar III, Hamilton; B.S. (Virginia Military Institute); *Civil Engineering*

David Krofcheck, Pittsburgh, Pa.; B.S. (Carnegie-Mellon University); *Physics*  
Maria Carita Lanner-Herrera, Marysville; Filosofe Kandidat (Lunds Universitet); *Genetics*

Robert E. Lawler, Cleveland; B.S.; *Civil Engineering*

Li-Chiu Lee, Keelung, Taiwan, R.O.C.; B.S. (National Chung-Tung University); *Electrical Engineering*

Brenda Rose Lerner, Chicago, Ill.; B.S. (Iowa State University); *Horticulture*

- Jye-Yih Lian, Taichung, Taiwan, R.O.C.; B.S.E. (National Cheng Kung University); *Civil Engineering*
- Chinghui Lin, Taipei, Taiwan, R.O.C.; B.S. (National Tsing Hua University); *Metallurgical Engineering*
- Joseph Philip Liuzza, New Orleans, La.; B.S. (University of New Orleans); M.S. (Montana State University); *Mathematics*
- Vikram Mohan Marballi, Bombay, Maharashtra, India; B.Tech. (The Indian Institute of Technology); *Mechanical Engineering*
- Lawrence Raymond Marsh, Columbus; B.S. (University of Dayton); *Veterinary Physiology and Pharmacology*
- Rosalie Kachut McGinnis, Cleveland; B.S.; *Nursing*
- Lisa K. McWhorter, Oak Ridge, Tenn.; B.A. (Transylvania University); *Pharmacy*
- Kevin Lee Miller, Cleveland; B.S.E.E.; *Electrical Engineering*
- Michael Lawrence Mucenski, Syracuse, N. Y.; B.S.; *Microbiology*
- Elizabeth Mary Narcisi, Bedford, Mass.; B.S. (University of Massachusetts); *Zoology*
- John Richard O'Meara, Cleveland; B.S.; *Natural Resources*
- Stilianos Papatheodorou, Athens, Greece; B.S. (Syracuse University); *Electrical Engineering*
- Terry Allen Pescosolido, Lima; B.A. (Ohio Northern University); *Computer and Information Science*
- Manit Phongmekin, Bangkok, Thailand; B.S.; *Electrical Engineering*
- Diane Poles, Scarsdale, N. Y.; B.A. (Lehigh University); *Bio-Medical Engineering*
- Howard LeRoy Pue, Columbus; B.S. (Oklahoma State University); *Veterinary Preventive Medicine*
- Go-An Rau, Hsin-Chu, Taiwan, R.O.C.; B.S. (Chung Cheng Institute of Technology); *Electrical Engineering*
- Sharon Lee Rawlins, Columbus; B.S. (Ohio University); *Home Economics*
- Timothy Lewis Reichert, Johnstown; B.S.; *Agricultural Education*
- Jeffrey M. Rest, Skokie, Ill.; B.S. (University of Illinois); *Electrical Engineering*
- Kevin Gale Richardson, Baltic; B.S.; *Geology and Mineralogy*
- Gary L. Richmann, Wood Dale, Ill.; B.S. (Illinois State University); *Geology and Mineralogy*
- Joyce Ann Rickels, Xenia; B.S.; *Home Economics*
- Young Baik Ro, Seoul, Korea; B.S. (Hanyang University); *Mechanical Engineering*
- Joan Buffington Roach, Columbus; B.S.N.; *Nursing*
- Patricia Ann Roam, Columbus; B.S.N.; *Nursing*
- Niusha Rostamkola, Tehran, Iran; B.S. (California Polytechnic State University); *Electrical Engineering*
- James Matthew Sauer, Columbus; B.S. (Miami University); *Chemical Engineering*
- Michael Keith Sauter, Chambersburg, Pa.; B.A. (Shippensburg State College); *Biomedical Engineering*
- Samer Sawaf, Damascus, Syria; B.S.; *Industrial and Systems Engineering*
- Robert F. Schillo, Granville; B.S.E.E. (University of Pittsburgh); M.S.E.E. (Stevens Institute of Technology); *Computer and Information Science*
- Steven Mark Schlasner, Columbus; B.A. (St. Olaf College); B.S. (South Dakota School of Mines and Technology); M.B.A. (University of South Dakota); *Chemical Engineering*
- Kaye Elizabeth Schlegel, Columbus; B.S. (Colorado State University); *Home Economics*
- Diana Jean Schwab, Dayton; B.S.; *Nursing*
- Dennis Edward Shaw, Columbus; B.S.; *Animal Science*
- Scott Allan Shearer, Tipp City; B.S.A.E.; *Agricultural Engineering*
- Amit Pravinkumar Sheth, Ahmedabad, India; B.E. (Birla Institute of Technology and Science, Pilani); *Computer and Information Science*
- Anthony Stephen Skrabak, Bellaire; B.S.; *Computer and Information Science*
- Nan R. Smith-Caldmeyer, Evansville, Ind.; B.S.N. (University of Evansville); *Nursing*
- Triantafyllos Constantine Stasinopoulos, Attikis, Greece; Diploma (Agriculture College of Athens); *Food Science and Nutrition*
- Marjorie Ann Stein, Baltimore, Md.; B.A. (Hofstra University); *Industrial and Systems Engineering*
- Audrey Ellen Strange, Columbus; B.S. (Virginia Polytechnic Institute); *Horticulture*
- Marilyn McCoy Sword, Columbus; B.S. (Milligan College); *Environmental Biology*
- Michael Clay Tanner, Columbus; B.S.; *Computer and Information Science*
- Massoud Seyed Tavakoli, Isfahan, Iran; B.S. (Louisiana State University); *Mechanical Engineering*
- Daniel Raymond Therry, Centreville, Va.; B.S. (Marshall University); M.S.; *Geology and Mineralogy*
- Doris Ticknor, Columbus; B.S.; *Food Science and Nutrition*
- Wei-tsyi Ting, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Microbiology*
- Ming-June Tsai, Taiwan, R.O.C.; B.S.M.E. (Feng-Chia University); *Welding Engineering*
- Kenneth W. Turteltaub, Ashtabula; B.S.; *Animal Science*
- Carol Lynn Urbanik, Pataskala; B.S.; *Allied Medical Professions*
- Pai-Lu Dennis Wang, Taipei, Taiwan, R.O.C.; B.S.E.E. (National Taiwan University); *Electrical Engineering*
- Sheila Lenesse Warren, Athens, Ala.; B.S. (Alabama Agricultural and Mechanical University); *Home Economics*
- Ira L. Warrenfelt, Columbus; B.S. (Ball State University); *Zoology*
- Randall Douglas Watkins, Columbus; B.S.; *Ceramic Engineering*
- Harold Dwight Watters, Waverly; B.S.; *Agronomy*
- Dale Owen Wilson, Jr., Euclid; B.S. (University of Wisconsin); *Agronomy*
- Steven Michael Wilson, Lancaster; B.S.; *Agricultural Engineering*
- Susan Lynne Wilson, Gallatin, Tenn.; B.S. (University of Tennessee); *Agronomy*
- Hsien-Yat Wu, Taipei, Taiwan, R.O.C.; B.S. (Tungshai University); *Animal Science*
- John Joseph Wukie, Grafton; B.S.; *Interdisciplinary: Physiological Chemistry and Physiology*
- Drausin Foster Wulsin, Columbus; B.A. (Amherst College); *Agricultural Economics and Rural Sociology*
- Michele Harshman Young, Wellington; B.S.; *Poultry Science*

### Master of Social Work

Cynthia Yvonne Owens, Columbus; B.A.; *Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Colin B. B. Bull

Vice Provost for the Arts and Sciences: Thomas A. Willke

The Colleges of the Arts and Sciences, a federation of five colleges, include:

- Colleges of the Arts
- College of Biological Sciences
- College of Humanities
- College of Mathematical and Physical Sciences
- College of Social and Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

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Robert R. Freeder, Richmond Heights  
Kathryn Lee Kah, Columbus  
Douglas Alan Loyer, St. Clairsville  
Kenneth Ray Perkins, Gahanna  
M. Aurelie Petrarca, Columbus  
Barrie Lynn Sandman, Shaker Heights  
Michael David Williams, Marietta  
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### Bachelor of Fine Arts

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Bonnie Luanne Burns, Worthington  
Martin Lee Fuller, Toledo  
Diana Jeanne Heinl, Columbus  
Barbara Austin Rogers, Hillsboro  
John Ira Schlabach, Strongsville  
Mary Jean Stinson, Columbus  
Marc Victor Wilson, Ashland  
Charles Edward Zirkle, Mansfield

### Bachelor of Music

Forrest Wayne Larson, Wooster  
Bradley Alan Sowash, Mansfield

### Bachelor of Art Education<sup>1</sup>

Lisa Jean Zeigler, Wauseon

### Bachelor of Art Education<sup>2</sup>

Elizabeth Ann Alpers, Findlay  
Marsha Jean McDevitt, Columbus  
James William McMahon, Columbus  
Rebecca Chaikin Sorensen, Worthington

### Bachelor of Music Education<sup>2</sup>

Rennie Grace Boring, Columbus  
David Alan Horsky, Logan  
Laurel K. Muehlhauser, Mentor  
Robert Lewis Sims, Wilmington  
Barbara Ann Wiseman, Thornville

### Bachelor of Science in Industrial Design

Willis G. Whiteside, Fairview Park

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Science

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Christopher Lee Biro, Richmond Heights  
Alan Jay Block, Columbus  
Jeffrey H. Borovetz, Columbus  
Tamara Jean Budzik, Eastport, Me.  
Robert L. Carstensen, Jerusalem Township  
Paul Thomas Corozin, Oak Harbor  
Catherine B. Crompton, Columbus  
Geraldyn Olivia Duska, Mingo Junction  
Melinda Beck Frost, Berea  
Laurence S. Geist, Columbus  
Shannon Leigh Grubb, Ironton  
Joseph B. Hufschmitt, Hamilton  
A'Lynn Ann Johnson, Girard  
John R. Lohr, Worthington  
Cathy Diane Mahle, Zanesville  
Jean B. McCloskey, Bethel Park  
Brenda Joan McKown, Mansfield  
Stuart Henry Miller, Columbus  
Kimberly Susan Moeller, New Bremen  
John V. Parker, Columbus  
Mary Lynn Perdzock, Dayton  
Catherine Marie Pizatella, Columbus  
Neil Paul Praznik, Hubbard  
Denise Renee Rauschenbach, North Canton  
Melissa Ann Robbins, Atlanta, Ga.  
Peter L. Schaefer, Sandusky  
Karen Sue Sellins, Cincinnati  
David Martin Stark, Columbus  
Patricia Elizabeth Steane, Normalville, Pa.  
Susan Anne Swan, Avon Lake  
Larry E. Travis, Spencerville  
Wayne W. Turner, Youngstown  
Ellen Irene Werley, Marion  
Mark A. Wilkinson, Columbus  
Robert Thomas Wohlgamuth, Columbus

## College of Humanities

Acting Dean: Michael W. Curran

### Bachelor of Arts

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Gloria Brush, Sacramento, Calif.  
Todd Marvin Bureau, Wooster  
Charlesia Devonne Byrd, Sandusky  
Carolyn Ann Cottrell, Fairview Park  
Lois A. Garman, Kutztown, Pa.  
William Douglas Helser, Harbor Hills  
Keith Edwin Holland, Springfield  
Betty Lee Janeves, Westerville  
Deidra Lynne Jefferson, Columbus  
Cedric H. Johnson, Columbus  
David Andrew LaRue, Steubenville  
Te Hsin Lei, Taipei, Taiwan, R.O.C.  
Paul Edward Marshall, Sandusky  
Barbara S. McCann, Cleveland Heights  
David William Miller, Columbus  
Abbie Mitchell, Newark

Aymara Boggiano Pericchi,  
Caracas, Venezuela  
Maria S. Rexach, Columbus  
Dana Lynne Richards, Worthington  
Carrie Ridgway Short, Wyoming  
Therese Marie Shuler, Columbus  
Dolores M. Stewart, Columbus  
Beth Erin Tipper, Mansfield  
James A. Vagnier, Columbus  
William Allen Weech, Columbus  
Michael Alfred Weitzner, Houston, Tex.  
Richard Eric Wolf, Columbus  
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## College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

### Bachelor of Arts

Fred Anthony Genzman, Oregon  
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### Bachelor of Science

Richard Douglas Abbott, Sandusky  
Christian Obumneme Ayinotu, Columbus  
Daniel Edward D'Angelo, Columbus  
David Scott deHilster, Worthington  
Janice Kay Fornal, Bridgeport  
Grant David Goodyear, Akron  
Steven Richard Gynn, Dublin  
John Bruce Heisler, Untontown  
Yushih Nancy Ho, Taichung, Taiwan,  
R.O.C.  
Diana Michelle Imel, Columbus  
Ronald Wilfried Kurt Jordan, Lima  
David Daley Keller, Grandview Heights  
Jeffrey Allen Lupa, Barrington Hills  
Rebecca Kay Madden, Irwin  
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Katharin Jean Mason, Columbus  
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Bryan Jack Mulvany, Grove City  
Bruce Andrew Savage, Columbus  
Charles William Schick, Coshocton  
Jeffery Gordon Shafer, Upper Sandusky  
Brian Craig Slane, Columbus  
Craig Gordon Smith, Gallipolis  
Richard Sunderman, Columbus  
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# College of Social and Behavioral Sciences

Dean: S. Earl Brown

## Bachelor of Arts

Dawn Eve Anderson, Columbus  
Andrew J. Austin III, Columbus  
Beverly Ann Baas, Worthington  
Douglas Kent Basiger, Delaware  
John Robert Beacham, Austintown  
Jane Adrian Berns, Zanesville  
Loretta Denise Biggers, Cleveland  
Jeffrey W. Black, Canal Winchester  
Elena Claire Boles, Columbus  
Michael F. Bowers, Columbus  
Jeffrey Clinton Courter,  
Charleston, W. Va.  
Richard Glen Dakin, Lebanon  
Dwain Alan Decker, North Olmsted  
Diane L. Dillon, Columbus  
James Kevin Doyle, Columbus  
Sharon Marie Eisenhauer, Kettering  
Dawn Sue Eishen, Ashley  
Marybeth Fischer, Moreland Hills  
Debra Joanne Fletcher, Columbus  
Gloria Jane Fosgate, Toledo  
Brett Anthony Fox, Oakwood  
Jeffrey Allan Goulet, Mason  
Marlene Jayne Griffith, Marysville  
Scott Mitchell Guthrie, Mansfield  
Raymond Yussif Hamidou,  
Niamey, Republic of Niger  
Peggy Jeanette Hazen, Mansfield  
Cathy S. Herbert, Grove City  
Christie Annette Hill, Haskins  
David Wayne Holzer, Columbus  
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Deborah Ellen Huffman, Wheaton, Ill.  
Mary Mildred Jaster, Columbus  
Donna Joyce Jennewine, Xenia  
Jeffrey Alan Johnson, Cambridge  
Barbara Ruth Jonas, Bay Village  
James Stanley Kalin, Strongsville  
Cynthia Ann Keinath, Newark  
John Frederick Kintner, New Concord  
John D. Kirkendall, Van Wert  
Ann Costigan Knecht, Cincinnati  
Cynthia Ann Labafinejad, Akron  
Susan Diane Lasky, Mayfield Heights  
Marc Alan Lautenschleger, Baltic  
Deborah Lynn Harper Madera, Lancaster  
Agatha Martin, Canton  
Wendy Leigh McWalter, Solon  
Lisa Marie Melvin, Washington C. H.  
Brenda Kay Muncie, Columbus  
Wendy Nichols, Miami, Fla.  
Lawrence John Novak, Sylvania  
Carolyn Marie Nowakowski, Sylvania  
Jeffrey L. Pierron, Marion  
Laura Ann Reutter, Mt. Gilead  
Bernadette F. Saccocio,  
Inish Bofin, Galway, Ireland  
Maria Christos Samaras, Columbus  
James M. Samson, Mentor  
James Peter Sandercock, Fairview Park  
John Steven Seidenschmidt, Grove City  
Christopher M. Shaffer, Lexington  
James Earl Shook, Gambier  
Avis Karen Small, Miami, Fla.  
Merrill Smith, Jr., Milner, Ga.  
Judy Ratliff Stansbury, Granville  
Mary Mogan Stephens, Columbus

Keith A. Thomas, Van Wert  
Thomas Richard Thomasson,  
Upper Arlington  
Dianna Adams Walters, Columbus  
Michael Harrison Watson, Columbus  
George E. Weasel III, Toledo  
Tracy Ann Yee, Columbus  
Linda Lee Zimmer, Warren

## Bachelor of Science

Philip Andrew Allen, Urbana  
Kenneth Duane Allred, Worthington  
Raymond H. Baker, East Claridon  
Vicki L. Carnicom, Port Clinton  
Jacqueline Jordan Cole, Plain City  
Terri Yolanda Coombs, Dover, Dela.  
Lori Ann Huber, Bluffton  
Michael Aaron Lamp, Hebron  
Timothy Loudermilk, Norwood  
Gregory Joseph Mazak, Wickliffe  
Judith A. Moran, Youngstown  
Deborah Ann Pitzo, Boardman  
Steven G. Schwartz, Columbus  
Brenda J. Sheaffer, New Holland, Pa.  
Jeanne Sue Sommer, Trotwood  
Bruce Albert Tesi, Buckeye Lake  
Fredric B. Wehmuller,  
Hoffman Estates, Ill.

## Certificate of Latin American Studies

Henry H. Wilson, Westford, Mass.

## School of Journalism

### Bachelor of Arts in Journalism

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Michelle L. Amato, Canton  
Nola Carole Armstrong, Columbia, S. C.  
Peter Steven Basiakos, Canton  
Maryjane Ratusz Bogden, Columbus  
Charles William Brokaw, Kingsport, Tenn.  
Lynne Jones Brungarth, Grove City  
Jeffrey Allen Byrd, Upper Arlington  
Jennifer Lynn Collins, Columbus  
Angela Faye Fishback, Lexington, Ky.  
Mary Lou Fountas, Westerville  
Robert Patrick Frew, Scio  
Aaron William Haupt, Columbus  
Robert James Herbert, Morristown, N. J.  
Linda Horner, Shaker Heights  
Cynthia Lee Jack, Columbus  
Ronald Jeffrey Keplinger, Springfield  
Michael D. King, East Canton  
Stephen Michael Larcomb, Marion  
Karen Anne Layton, Grandview  
Karen M. Misonish, Stratton  
Dulcie Neirman, Dayton  
Michael J. Norman, Akron  
Linda L. Parker, Worthington  
Judi Lynn Perlman, Cincinnati  
Erin Anne Scanlon, Newark  
Deborah Sue Spillane, Troy  
Susan E. Weiss, Cleveland

<sup>1</sup> Offered by the College of the Arts  
<sup>2</sup> Offered jointly by the College of the Arts  
and the College of Education

# College of Administrative Science

Dean: H. Justin Davidson

## Bachelor of Science in Business Administration

Joel Millard Ailes, Alliance  
Carl Edward Allyn, Fairborn  
Betye A. Anderson, Columbus  
Jeffery Alan Anon, Dayton  
Digvijay N. Appaya, Lima  
Jacqueline Ann Arnold, Westerville  
Michael Aloysius Arnold, Zanesville  
Judith Ann Artz, Fort Wayne, Ind.  
Gregory Louis Averesh, Lima  
Eugene Thomas Baker, Canfield  
James Cassel Ballinger, Columbus  
Timothy John Barker, Groveport  
Thomas R. Baumhoyer, Columbus  
James John Becker, Kettering  
Constance Elaine Beelman, Columbus  
Diane Kay Bemis, Versailles  
Mark Steven Bennett, Columbus  
Steven B. Berzon, Canton  
Timothy Paul Blaeser, Dayton  
Timothy Roy Blauser, Columbus  
Duane Anthony Borgman, Parma  
Scott Barnes Bradley, Centerville  
Gary Dale Branson, Mansfield  
Kimberly Jo Brenneman, Englewood  
James Kenneth Bricker, Sidney  
Wade Alan Bright, Marysville  
Rebecca Dee Brinkman, Galion  
Michael Lawrence Britt, Kettering  
Valerie Jean Brom, Loveland  
Douglas John Brough, Newark  
Christopher Paul Brown, Granville  
John Eric Brunst, Parma Heights  
Alden Daniel Buckeye, Avon Lake  
Scott Charles Burns, Portsmouth  
Ted Steven Byrer, Columbus  
Scott Alan Cammann, Worthington  
Carol Elizabeth Campbell, Columbus  
Lucile Yolanda Campbell,  
Lawrenceville, N. J.  
Steven R. Carlson, Newark  
James John Cicchetti, Jr., Columbus  
Craig A. Conroy, Marion  
Sandra Dean Cooperrider, Hebron  
Susan Maria Corbin, Dayton  
Richard Lewis Coulter, Reynoldsburg  
Jeffrey Edward Courtright, Westlake  
David James Cox, Columbus  
James Richard Craft, Wapakoneta  
Herbert Edmund Crookall, Sparta, N. J.  
Kevin Patrick Crowley, Columbus  
Brett W. Davis, Bay Village  
Daniel Alan Daws, Lima  
Fred Dominic DeBiasi, Independence  
Charles William Denzer, Dunedin, Fla.  
Philip James DePauw, North Olmsted  
Sheri Lynn Desatnik, Cincinnati  
James Francis Dominin, Vermilion  
Jeffrey Allen Donatini, Canton  
Keith Ray Dotson, Columbus  
Bryan Michael Doty, Huron  
Daniel Joseph Duffy, Columbus  
Carrie Jane Dunham, Gahanna  
Susan Dutechman, Norton  
Robert Dean Eberhart, Dublin  
David Brian Eichert, Cincinnati

Michael William Ellerman, Delphos  
 Patrick Edward Eley, Columbus  
 Scott Michael Engle, Columbus  
 Stephen Michael Evans, Little Hoeking  
 James Hugh Farthing, Columbus  
 Stephen Leonard Flood, Salem  
 Stephen Scott Poster, Reynoldsburg  
 Christopher Hampton Gardier, Columbus  
 Steve Craig Gee, Dayton  
 Jeffrey Bennett Gerrard, Mayfield Heights  
 James Patrick Gilbride, Columbus  
 Randall Robert Gillham, Newark  
 Neal Alan Gogol, Parma  
 Curtis Scott Gorman, Mason  
 Jeffrey Alan Gray, Pandora  
 Shari Lynn Graz, Worthington  
 Leo Steven Grimes, Columbus  
 Keith Allen Gud, Cincinnati  
 Asitha Gunasekera, Alawwa, Sri Lanka  
 Cynthia Ann Hafer, Vandalia  
 Alan Dale Hair, Orrville  
 James Clark Hall, Marion  
 Alan B. Hallock, Medina  
 Cynthia Louise Halpin, Cincinnati  
 John Edward Hamilton, Jr., Waverly  
 David Glenn Hammond, Ferrysville  
 Gary Christopher Harkey, St. Louis, Mo.  
 Douglas Kyle Harman, Columbus  
 Michael Alan Harmon, Columbus  
 Janice Elaine Harris, Chillicothe  
 David Anthony Hartman, Loveland  
 Eric Thomas Heckman, Piqua  
 Richard William Heckman, Germantown, Tenn.  
 Deborah Ellen Heft, Lewisville  
 Anita Lynne Hempfling, Findlay  
 Kimberly Suzanne Hiles, Bay Village  
 Don Charles Hoffman, Columbus  
 Kevin Joseph Hoover, Elyria  
 Mark Thomas Horstman, Centerville  
 Darrell Wayne Houmes, Columbus  
 Mary Hoyer House, Cincinnati  
 Matthew Joseph Hudak, Solon  
 Nancy Jo Hughes-Schroyer, Toronto  
 Jeffrey Lee Hunt, Wauseon  
 Teresa Ann Hupp, Laurelville  
 Kathleen Hyland, Hubbard  
 Robert John Inlay, Zanesville  
 Robert Lewis James III, Wilmington, Del.  
 Maura Lynn Johns, Columbus  
 Carletta Yvonne Johnson, Toledo  
 Douglas William Johnson, Columbus  
 Linda Goodwin Johnson, Columbus  
 William B. Johnson, Jr., Marietta  
 Kenneth Perry Jones, Shelby  
 Edward Dean Kane, Sandusky  
 James Gerard Kasubinski, Elyria  
 Eric Jon Kaufman, Ottoville  
 Ron Lee Kazmerzak, Columbus  
 Terrence Patrick Kelley, Columbus  
 Jack Edward Kemper, Minster  
 Robert Joseph Kent, Chardon  
 Joseph Michael Kessler, Dayton  
 Janine Ann Key, London  
 Richard Lee Kiefer, Cincinnati  
 Mark Joseph Kiessling, Cincinnati  
 Bolin Howard Killings, Cleveland  
 Michael Paul King, Caledonia  
 Nicholas Christian King, Wauseon  
 Gerard Thomas Kirwan, Worthington  
 Anthony F. Klobuchar, Chicago, Ill.  
 Brad Allen Knecht, Lancaster  
 Linda Kay Konkler, Grove City  
 Benjamin Kornegay, Washington, D. C.  
 David Alan Kosanovic, Columbus

Kevin Bernard Kramer, Fairlawn  
 Janella Leona Kratzer, Cincinnati  
 Kenneth Edward Kukral, Independence  
 Fredrick James Kuntz, St. Clairsville  
 Barbara Ann Kurucz, Westerville  
 Jeffrey Alan Kweder, Youngstown  
 William I. Lammers, Jr., Cuyahoga Falls  
 Wolfgang A. Lant, Cleveland  
 Douglas Gordon Lanum, Columbus  
 Derrick Steven Layer, Columbus  
 Joseph J. Leckemby, Jr., Brunswick  
 Andrew Mark Lovit, Reynoldsburg  
 Jeffrey Kar Lucas, Columbus  
 Stuart Dean Lucas, Ashland  
 Daniel Coleman Lukac, Jr., Celina  
 David Michael MacArthur, Cincinnati  
 Richard James Mack, Brecksville  
 Thomas Joseph Mackin, Columbus  
 Terrence Earl Maltbia, Toledo  
 Lloyd J. Mandel, Wilmette, Ill.  
 Anthony Scot Manna, Richfield  
 Donald Lee Manning, Columbus  
 John Jeffery Marvin, Centerville  
 Carol Lee Mawhorh, Columbus  
 Daniel Joseph McCormick, Sandusky  
 Thomas Douglas McDonald, Elyria  
 Randy Louis McFarland, Medway  
 Robert Alan McIntire, Youngstown  
 Christopher K. McIntosh, Middletown  
 Joseph August Meiresonne, Columbus  
 Edgar Littleton Merritt, Cincinnati  
 Nancy Claire Miller, Bellefontaine  
 Jerrilyn Lee Mills, Chippewa Lake  
 Norman James Minahan, Mansfield  
 Jacqueline Sue Mitchell, Crystal Lake, Ill.  
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 Sherry Lynn Nowel, Columbus  
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 Wei Pai, Taiwan, R.O.C.  
 Peter J. Pappadakes, Columbus  
 Lina Pastor, San Mateo, Calif.  
 John Frank Pellegrino, Yorkville  
 Mark Paul Plungis, Cincinnati  
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 Glen W. Poston, Gahanna  
 Robert Byron Poulson, Columbus  
 Jeffrey Paul Powers, Columbus  
 Mary Elizabeth Powers, Coshocton  
 Donna Jean Pranger, Stow  
 Benjamin Brooks Price, Columbus  
 Eric Charles Price, Cleveland  
 Andrea Pukita, Poughkeepsie, N. Y.  
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 Timothy Francis Racher, Columbus  
 Ida Sue Ranft, Columbus  
 Lenora Denise Rasberry, Akron  
 Douglas Charles Raub, Moreland Hill.  
 Jon Anderson Rechsteiner, Columbus  
 Diane Renner, Loveland  
 Thomas Hugh Ridge, Richwood  
 Ross J. Robinett, Dayton  
 Thomas Robert Rohrer, Jr., Coshocton  
 John Douglas Roll, Columbus  
 Carol Lynn Rose, Centerville  
 Jennifer Case Rose, Columbus  
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Samuel John Russo, Madison  
 J. David Ryan, III, Columbus  
 Sunday Jo Safran, Parma  
 Kathryn Lee Schene, Dayton  
 D. Paul Schmidt, Dayton  
 John Harley Schultz, Dayton  
 Susan Lee Schwarzkopf, Newark  
 Martha M. Schwieterman, Worthington  
 Mark Robert Scofea, Ashland  
 Robert C. Searles, Sunbury  
 James Richard Secrist, Urbana  
 Frances Minnich Self, Canal Winchester  
 Martin Paul Shertzinger, Cocksleysville, Md.  
 Mary Ann Shoemaker, Basking Ridge, N. J.  
 Lynne Marie Simon, Versailles  
 Brian Edward Sprillman, Columbus  
 Mark Kevin Spradlin, Franklin Furnace  
 Larry James Stahl, Cleveland  
 Brian Lee Stees, Marion  
 Marilee Stinemetz, Columbus  
 Douglas Wade Stotlar, Burton  
 Alessia Esther Stuart, Columbus  
 David Paul Tague, Columbus  
 Thomas C. Temelkoff, Canfield  
 Dan Rafael Villalobos Gherzi, Columbus  
 Robert A. Violi, Whitehall  
 Michael J. Vivalo, Youngstown  
 Douglas Charles Yrona, Columbus  
 Patrick Andrew Watkins, East Liverpool  
 Jerry Edwin Weakland, Loudonville  
 Garry Randall Weich, Seven Hills  
 Theresa Marie Weimert, Novi, Mich.  
 Melissa Ann Wheeler, Columbus  
 Sherrie Lynn White, New Carlisle  
 Timothy Martin Williams, Dayton  
 Linda Jo Williamson, Columbus  
 Denise Dawn Wines, Wheelersburg  
 Brian Lee Wnek, Tiltonsville  
 Christopher T. Wolf, Gambier  
 Kenneth Eugene Wolford, Danville  
 Kenneth Richard Wright, Reynoldsburg  
 Stephen Richard Yant, Canton  
 Douglas John Young, Columbus  
 Linda Kathleen Ziats, Delaware

## Bachelor of Science in Labor and Human Resources

Diane Marie Pavoni, Columbus

## College of Agriculture and Home Economics

Acting Dean: Francille M. Firebaugh

## Bachelor of Science in Agriculture

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 Kevin Dale Adams, Leesburg  
 Robert Wayne Andersen, Granville  
 Robert Wayne Ashabranner, Fairborn  
 Patricia Fay Aylsworth, Columbus  
 LuAnne Back, Middletown  
 John Morgan Baker, Worthington  
 Mary Theresa Bandenburg, Cincinnati  
 Paul Alan Berkley, Plain City  
 Jeffery Lynn Berns, Middletown  
 Jerry Robert Boos, Sandusky

Brian Lee Bournival, Litchfield  
 Lisa Marion Bowers, Columbus  
 Patrick Michael Bryan, Carrollton  
 Mike Gerard Busenmyer, Cincinnati  
 Thomas Edward Cahill, Galion  
 Charles Leonard Carpenter, Columbus  
 Martha Jemison Carpenter, Powell  
 Mark Lee Clark, Attica  
 David Alan Claypool, Newark  
 Debra Kay Collins, Columbus  
 Ronald Irwin Diefenthaler, Toledo  
 Patrick Timothy Eakin, Lockbourne  
 Katherine Marie Elsasser, Piqua  
 David Scott Etkorn, Wapakoneta  
 Duane David Fovargue, Painesville  
 Keith Calvert Garstick, Columbiana  
 Collin Carl Gierke, Adamsville  
 Philip Curtis Gooding, Sharrodsville  
 Mark Andrew Green, Hebron  
 Leslie Lynn Grigorenko, Dublin  
 Donald Keith Grossman, Columbus  
 Julie A. Harris, Rocky River  
 Lisa Ann Harter, Thurston  
 Christopher Jay Haunty, Worthington  
 Selden Heath III, Waynesville  
 Paul Eugene Heilman, Kenton  
 Joseph Neil Higgs, Medina  
 Janice Ann Holmes, Columbus  
 Kenneth Wade Holthouse, Willard  
 Annette Christine Hommel,  
 West Carrollton  
 Timothy Warren Horan, South Point  
 Mark Edward Imhoff, Madison  
 Kenneth Lester Jewell, Marysville  
 Kevin Richard Keller, Lancaster  
 Shari Annette Kennedy, Johnstown  
 James Steven Kish, Wellington  
 Gretchen Ellen Krieger, Jeffersonville  
 Jeffrey Brian Krieger, Columbus  
 Timothy Lynn Lawlis, Cambridge  
 Steven Scott Leis, Ansonia  
 Michael Jude Liston, Columbus  
 Laurie Virginia Long, Columbus  
 Ricky Alan Mahaffey, Prospect  
 Kenneth Paul Mahle, Celina  
 Susan Carol Malz, Chagrin Falls  
 Kevin Scott McQuinn, Middletown  
 Duane Courtney Mikolas, Curtice  
 Dale Robert Miller, Delaware  
 Randy Lee Miller, West Unity  
 Judith D. Moglia, Columbus  
 William Thomas Mondak,  
 Middleburg Heights  
 Kathryn Joan Murphy, Bexley  
 Susan Kay Mykrantz, Wooster  
 Michael David Oetzel, New Richmond  
 Lydia Irene Pastuchiw, Lorain  
 Donald Stanley Pijak, Creamridge, N. J.  
 Glenn Harold Porter, Dayton  
 Kate Wemple Pouch, Columbus  
 Maria Teresa Richard, Powell  
 Barry Lloyd Richardson, Coolville  
 Gregory Wilson Ritter, Worthington  
 Lori Beth Roberts, Mechanicsburg  
 Roger Lee Roeth, Piqua  
 Mark Allen Rose, Forest  
 Denise Anne Ryba, Parma  
 Leonard Dale Sipz, Bucyrus  
 Martha Louise Slater, Hebron  
 Sharon Jane Smythman, Columbus  
 Thomas Robert Spettel, Norwalk  
 William Alan Spreng, Perryssville  
 Michael Warren Squires, Chesterville  
 Dan Milton Swaisgood, Polk  
 Stephen Robert Thomas, Radnor  
 Kevin Joseph Trombley, Westerville

Steven Donald Vorwerk, Napoleon  
 Max Stephen Walter, Thornville  
 Michael Lee Waybright, Canal Fulton  
 Timothy Norman Wehri, Cloverdale  
 John William Weinacker, Galena  
 Elizabeth Ann Zoeller, Hamilton  
 Linda Anne Zupnick, Bexley

### Bachelor of Science in Food Science

Douglas Robert Sipes, Columbus

### Bachelor of Science in Nutrition

Stephanie Nameiu Shaw, Columbus

## School of Home Economics

### Bachelor of Science in Home Economics

Mary Annette Allori, Heath  
 Joanne Michelle Brennan, Columbia, S. C.  
 Diana Joy Catlett, Lima  
 Lisa Therese Culichia, Columbus  
 Deanna Lee Diehl, Heath  
 Judith Ann Fischbach, Ottawa  
 Vivian Shontee Hawkins, Columbus  
 Debora Lynn Hawthorne, Columbus  
 Susan Karnap Hopkins, Columbus  
 Diana Lynn Huffman, Delroy  
 Kim D. Jaffee, Columbus  
 Andrea Constance Jones, Columbus  
 Julie Ellen Knopp, Columbus  
 Linda Anne Lewis, Columbus  
 Sharon Kay Light, Cincinnati  
 Stacie Jean Mahaffey, Zanesville  
 Cathy L. McKenzie, Columbus  
 Debra Birbal Mount, Columbus  
 Elizabeth M. Muessen, Chatham, N. J.  
 Cheryl Ann Murphy, Columbus  
 Loretta Myers, Columbus  
 Pamela Bernadette Puskac, Columbus  
 Cindy L. Ratcliff, Columbus  
 Karen Louise Schrote, Marion  
 Beverly J. Steenrod-Weiss, Jackson Center  
 Barbara Ann Stone, Dublin  
 Terri Lynn Taylor, Radnor  
 Linda Lee Tomazoli, Tiltonsville  
 Sarah Jane Watson, Hudson  
 Carol Hines Williams, Columbus  
 Cheryl Ann Winzig, Columbus  
 Sharon L. Workman, Columbus

### Bachelor of Science in Restaurant Management

John Edward Cairns, Columbus  
 Cheryl Ann Chudakoff, Lyndhurst  
 James Edward Primovic, Bridgeport

## School of Natural Resources

### Bachelor of Science in Natural Resources

Richard Scott Abram, South Euclid  
 Daniel Lawrence Aden, Batavia  
 Kathleen Amelia Albers, Cincinnati  
 Michael Gene Baker, Columbus  
 Richard Erwin Brausch, Cincinnati  
 Steven Richard Cothrel, Metamora  
 Robert William Crowley, Jr., Columbus  
 Gerald Barton Devol, Buchtel  
 Gary Arthur Floyd, Tiffin  
 Kimberly Anne Gardner, Yardley, Pa.  
 M. Carol Bennison Goodman, Kettering  
 Richard Dwight Goodman,  
 New Philadelphia  
 Suzanne Goodwin, Greenview  
 Peter Martin Haendle, Nedrow, N. Y.  
 Raymond John Hafner, North Olmsted  
 John Lester Huffman, Clyde  
 Karen Boston Kemple, Columbus  
 Daniel Raymond Kenney, Springfield  
 George David Kleevic, St. Clairsville  
 Daniel Mark Lafferty, Coshocton  
 Garth Edward LaJeunesse, North Olmsted  
 Brian Grant McBroom, Columbus  
 Robert Scott McFarland, Ashville  
 Daniel John Means, Plain City  
 Robert Thomas Murphy, Columbus  
 Suzanne Lynn Russell, Granville  
 Kathleen Helena Smith, Columbus  
 Mark Gordon Taylor, Wilson, N. Y.  
 David Allen Volkman, Napoleon  
 Scott Gregory Wolff, Brunswick

## Agricultural Technical Institute-Wooster

### Associate in Applied Science

Charles Mark Ashdown, Fairfield  
 Gregory Allan Baker, Carey  
 Keith Allen Balduff, Huron  
 Christine Anne Benson, Pittsburgh, Pa.  
 Susan Gayle Davis, Casstown  
 Marcia Ann Eck, Toledo  
 Stephen Francis Ehrbar, Chardon  
 Andrew Mark Fichtelman, Sunbury  
 Allan R. Funke, Cincinnati  
 Judith Ann Hans, Loudonville  
 Sandra Kay Hartman, Athens  
 Ralph Patrick Hennessy, Carey  
 Deirdre Anne Hotton, Seville  
 Stephen Louis Krietemeyer, Ft. Jennings  
 John Gordon LaBine, Maumee  
 Kevin Thomas Larizza, Canton  
 Michael Henry Littig, Worthington  
 Douglas Weldon Long, Bluffton  
 Michael Chad McCully, Minerva  
 Kerry Robert Martin, Canfield  
 Edward James Nettleton, Wooster  
 Lisa Ann Nicholson, East Liverpool  
 Richard Paul Oleixic, Steubenville  
 Benjamin J. Ruf, Lewisburg  
 Connie Ann Sampson, Millersburg  
 Doug Keith Shamblen, Wooster  
 David Alan Snavely, Lexington  
 Daniel Allen Stump, Findlay

Bryan Lynn Switzer, Findlay  
Rebecca Joy Wheeler, Madison  
Thomas Ray Williamson, Wooster  
Dean Francis Wolboldt, Holmesville

## College of Dentistry

Dean: William R. Wallace

### Certificate of Graduate Dental Hygienist

Dawn Margaret Ellis, Columbus  
Amy Joyce Watson, Westerville

## College of Education

Acting Dean: Russell J. Spillman

### Bachelor of Science in Education

Marsha Diane Addie, Cleveland  
Christa Jean Adelsperger, Hamilton  
Kevin Thomas Akins, Webster, N. Y.  
Steven Mark Andrews, Marion  
William C. Andrews, Cambridge  
Matthew Roland Aucoin, Loveland  
Jan Bair, Mansfield  
Debra Kay Bechtol, Mansfield  
Mary Ellen Beck, Fairview  
Jeffrey Alan Bell, Mansfield  
Steven Donald Blackburn, Columbus  
John Matthew Blaine, Newark  
Janine Kay Bond, New Vienna  
Thomas Scott Bowers, Lexington  
Jude J. Braun, Sandusky  
Sheila Rae Brill, Worthington  
Barbara Lynne Bruno, Lorain  
Beverly Sue Bryner, Kent  
Janet E. Burk, Marengo  
Cheryl Lee Byrne, Wapakoneta  
Robin Sue Carter, Pomeroy  
Laura E. Cartwright, Wilmington  
James Hal Chinn, Jackson  
Laura Lou Christopher, Troy  
Julia May Collar, Columbus  
Rhonda Louise Corke, Columbus  
Kathleen Ann Costello, Columbus  
Sandra Hawk Cotter, Worthington  
Elizabeth Coulter, Worthington  
Cindy Jackson Cox, Richwood  
Misty Dawn Cox, Grove City  
Cheryl Ann Day, Sunbury  
Diana Lynn Del Conte, Cincinnati  
Pamela Ann DiFilippo, Steubenville  
Hauwa Dogon-Mallam, Bauchi, Nigeria  
Connie Colleen Dyer, Alger  
Dale Vernon Ehrenbeit, Chagrin Falls  
Stephen Charles Emmons, Marion  
Mindee Eileen Epstein, Skokie, Ill.  
Pam L. Farr, Brunswick  
Sheral Lynn Ferguson, Columbus  
Nancy Ann Fischer, Bucyrus  
Cynthia Jean Franklin, Columbus

Kimberly Sue Fulk, Newark  
Helen Taylor German, Mansfield  
Mary Sivak Gilbert, Worthington  
Carla Jo Gillard, Zanesville  
Elizabeth Ann Goodall, Dayton  
Margaret J. Green, Columbus  
John D. Gulick, Galion  
Ray L. Haines, Marion  
Adamu Mohammed Hardawa,  
Bauchi, Nigeria  
David Louis Hartley, Columbus  
Michael Leo Henson, Piqua  
Lisa Mary Herms, Lexington, Ky.  
Mary Lucinda Herzog, Ashtabula  
Sandra Kay Hood, Mansfield  
Bonnie Jean Hopkins, Columbus  
Miriam Ann Jacoby, Lima  
Terri J. Jewett, Ashland  
Mary Kay Veronica Joyce, Columbus  
Mohammed Inuwa Kamara, Bauchi, Nigeria  
Catherine S. Kaniaris, Lorain  
Deborah L. Katterheinrich, Wapakoneta  
Robert Lynn Kaufman, Lima  
Karen Boston Kemple, Delaware  
Agnes Anna Kitzler, Upper Sandusky  
Marcia Gene Klaiber, Marietta  
Kenneth Charles Kramer, Chickasaw  
Karen Sue Longbrake, Massillon  
Maryann McCrorie, Columbus  
Robert Lee McElwee, Columbus  
David Russell McKinney, Columbus  
Melissa Lee Metcalfe, Cincinnati  
Gayle Marie Miller, Columbus  
Stephen Anthony Miller, Columbus  
Steven Paul Miller, Vermilion  
Jennifer Jo Mitchell, Lima  
Scott Galen Moorehead, Columbus  
Gregory Scott Muma, Willard  
Michael David Nealey, Lima  
Bala Dandara Ningi, Bauchi, Nigeria  
Letitia Grace Oberley, Columbus  
Donna Sue Oze, Columbus  
LuAnn Paris, New Philadelphia  
Valerie Kae Parks, Mansfield  
Jeffery Jon Pegg, Warren  
Kimberly Jean Postma, Columbus  
Amber Renee Potter, Lima  
Christopher Dale Prior, Vandalia  
John Provenzale, Cleveland Heights  
Ronald Lee Rapp, Lima  
James Michael Rhine, Lima  
James Maigari Ribina, Bauchi, Nigeria  
Julie Walsh Russell, Logan  
Denise Savage, Gahanna  
Joni Lynn Seifrick, Columbus  
Cynthia Lynn Shaffer, Petersburg  
Katherine E. Shumate, Columbus  
Yvonne Hope Spence, Lowell  
Lisa Ann Spieles, Minster  
Katherine Jane Starkey, Vincent  
Frances E. Stewart, Gahanna  
Nancy Jo Stewart, Worthington  
Linda Kay Stine, Mansfield  
Lisa Marie Stith, Columbus  
Ubayo Mohammed Tilde, Bauchi, Nigeria  
Heather Page Timberlake, Circleville  
Linden Paul Viinalass, Columbus  
Diane Marie Violet, Spencerville  
Kathleen Magdalen Wald, Euclid  
Mary Suzanne Williams, Reynoldsburg  
Lynn Yuan Willis, Marion  
Dayna L. Wink, Mansfield  
Mark Allen Wooton, Paulding  
Jill Morris Workman, Columbus  
Onita Marie Yutzy, Plain City

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Christian Barret, Cleveland  
Wayne Charles Chalfant, Ashland  
Timothy Douglas Cornett, Galloway  
Douglas Owen Carnog, Westerville  
Kenneth O. Davidian, Bainbridge  
Pedro A. Ferreira, Lisbon, Portugal  
David Charles Roman, Worthington  
Linden K. Sims, Columbus

### Bachelor of Science in Agricultural Engineering

Donald Eugene Line, Arlington  
Timothy Paul Meyer, Wauseon  
Charles Allen Roberts, New Holland  
Douglas Edward Wysong, Eaton

### Bachelor of Science in Aviation

David Paul Laake, Centerville

### Bachelor of Science in Ceramic Engineering

Edward Michael Spangler, Columbus  
Michael Joseph Wozniak, Northfield

### Bachelor of Science in Civil Engineering

Chris Stanton Anspaugh, Mendon  
Moises Arzamendi, Worthington  
Shaida Baharloo, Tehran, Iran  
David Anthony Breitfeller, Columbus  
Robert Edward Broestl, North Royalton  
Nopporn Chuchinda, Bangkok, Thailand  
Stephen J. Farst, Columbus  
Peter M. Fielder, Akron  
Gerald Lee Pocht, Tiffin  
John Richard Porteman, Cincinnati  
Nabil Youssef Gbantous, Beirut, Lebanon  
David Robert Gorman, Youngstown  
William M. Hadaya, Beirut, Lebanon  
Mook L. Ho, Columbus  
Ikechukwu Elias Ibenebogu,  
Enugu-ukwu, Nigeria  
Chong Chiun Lo, Sandakan, Malaysia  
Asif Abdul Aziz Merchant,  
Karachi, Pakistan  
Philip Albert Mural, Parma  
Phuthuma Freedom Nhleko,  
Manzini, Swaziland  
Mary Ann Radigan, Richmond Heights  
Philip Alan Rasor, Jr., Columbus  
Jerry Clifford Reed, Columbus  
Scott Russell Saunders, Oregon  
Ted Kevin Schnell, Wapakoneta  
Charles Robert Schroeder, Kalita  
James Michael Starbuck, Columbus  
Mark Randall Stouffer, Brecksville  
Bryan Jay Struble, Carroll



Thomas Ralph Trehwitt, Willoughby  
Richard Edward Walker, Piqua  
Michael Duane Weeks, Marion  
James Kendal Wiggins, Kettering  
Susan Fay Wong, Richmond Heights  
Osama Ahmed Zalloum  
Carlos Manuel Zerpa La Rosa,  
Anaco, Venezuela

### **Bachelor of Science in Computer and Information Science**

Mark Louis Albers, Cincinnati  
Winfred Lee Bourn, Cleveland  
Raymond Anthony Browder, Columbus  
Mark Edward Coverdill, Norcross, Ga.  
Mark Christopher Dafucas, Columbus  
Samuel L. Emrick, Belpre  
David Lee Finley, Worthington  
Marcel Joseph Gervais, Plainfield, Conn.  
Glenn Grant Gray, East Liverpool  
Ian Duncan Jamie, McMurray, Pa.  
Kuarlall Lall, D'Edward, Guyana  
Lisa Jannene Oania, Grafton  
Stephen David Parker, Wooster  
Delmer Thomas Stumbaugh, Columbus  
Jay William Teele, New Albany  
Robert Keith Weston, Fairview Park  
Timothy Michael Wottle, Canton  
Ann Kuen Yee, Columbus

### **Electrical Engineer**

Vinay Damodar Pradhan, Bombay, India

### **Bachelor of Science in Electrical Engineering**

Randall Edgar Bills, St. Henry  
Robert B. Bordbar, Norwalk  
James Stanley Brazzell,  
Alexander City, Ala.  
Kevin Farrell Briggs, Columbus  
Charles Allyn Butcher, Hilliard  
Kevin L. Daugherty, Lexington  
James Paul Davidson, Centerville  
Richard William Dock, Columbus  
Taylor Rice Efland, Efland, N. C.  
Douglas Edward Gergel, Youngstown  
Adam David Greenbaum, New York, N. Y.  
Jeff Alan Hughes, Granville  
Mark Alan Johnston, Wooster  
Wetzel Kilgore, Columbus  
Mark R. Kruse, Ottawa  
Frederick Nicholas Lancia II, Columbus  
Paul Wayne Leciejewski, Olmsted Falls  
Alan D. Neal, Columbus  
Binh Thanh Nguyen, Columbus  
John Emanuel Nites, Baden, Pa.  
Thomas Charles Oliver, Columbus  
Russell Steven Padgett, Westerville  
David Arthur Prasse, Mentor  
David James Reed, Ashtabula  
Mark Landis Ryland, Ashland  
David F. Schings, Toledo  
Bryan Dean Searfos, New Lexington  
Michael Lane Searfos, New Lexington  
Michael Robert Shaw, Gahanna  
Timothy Charles Singleton, Middletown  
Michael Alan Stuart, New Philadelphia  
Jeffrey Barnhart Sturgeon,  
Washington, Pa.  
Inne Francis Szauter, Columbus

Edward Dav Thompson, Salineville  
Larry M. Trash, Crestline  
Steven Charles Wetta, Columbus  
Christopher Dale Williams, Columbus  
Michael Anthony Williams, Cleveland

### **Bachelor of Science in Engineering Physics**

Alton Buddy Auvil, East Sparta  
Paul David Baumgartner, Worthington  
David Lee Finley, Worthington  
Jeffrey Charles Holliday, Canfield  
Donald James Milligan, Columbus

### **Bachelor of Science in Industrial and Systems Engineering**

Richard Lance Brubaker, Dayton  
Thomas John Farnbacher, Granville  
David Lee Feinauer, Lebanon  
Raphael Emilio Graulau, San Juan, P. R.  
Glenn Thomas Haller, Worthington  
Jill Ann Harlamert, Piqua  
Cathy Jane Lyle, Houston, Tex.  
Mary Lou Matkoskey, Youngstown  
James R. Mestemaker, Columbus  
David Jeffrey Norris, Lakewood  
Michael Joseph Romeo, Jr., Massena, N. Y.  
David Joseph Stephens, Columbus  
Darrrel Ray Tackett, Columbus  
Andrew Richard Wilburn, Portsmouth  
Donald Charles York, Columbus

### **Bachelor of Science in Mechanical Engineering**

William Keith Adams, Columbus  
Mike Menschem Albert, Beachwood  
Michael Victor Basile, Akron  
William Walter Belisle, Columbus  
Thomas Bruce Berns, Middletown  
Ronald Thomas Bessie, Kensington  
Glenn Robert Butler, Montgomery  
Daniel Joe Chapman, Columbus  
Majid S. Delpassand, Tehran, Iran  
Anthony Dempsey, Medina  
Hernan Enrique Ebersperger,  
Puerto Montt, Chile  
John Crandall Ference, New London  
James J. Flick, Lima  
Charles Vernon Gebben,  
Oklahoma City, Okla.  
Christopher Dolan Hampel, Dayton  
Renee Louise Heileman, Fremont  
William Thomas Jones, Gallipolis  
Kuren Marie Kienle,  
Bloomfield Hills, Mich.  
Steven Joseph Klaas, Wadsworth  
David Herbert Kubalak, Colonia, N. J.  
Kevin Michael Lanum, Cleveland  
Edward Michael Leach, Zanesville  
Blaine Winfred Lilly, Jr., Columbus  
James David Loeffler, Westlake  
William Michael Lyons, Gahanna  
C. Patrick Martino, Granville  
Charles William Melcher, Mt. Vernon  
David Lee Mell, Portsmouth  
James George Milbaugh, Lancaster  
Lawrence Joseph Miller, Cuyahoga Falls  
Earl Stanley Morrer, Columbus  
Jeffrey Wayne Morris, Columbus  
David Warren Moser, Rootstown

Dirkson Dee Nafzger, Columbus  
Robert Alan Neitman, Kettering  
David Roy Nikolaiczky, Cleveland  
Scott Robert Noblet, Bucyrus  
Dean Scott Nofzinger, Whitehouse  
James Maurice Philey, Greenhills  
Timmy Prater, Plain City  
David Andrew Purvis, Cincinnati  
Vichai Rojanavanich, Bangkok, Thailand  
Edward N. Schiebel, Cincinnati  
Warren Andrew Seith, Gates Mills  
Lawrence Andrew Staat, Grove City  
Daniel David Swisher, Columbus  
John North Tehan, Jr., Springfield  
Randolph Lee Thompson, Medina  
Richard Lee Thompson, Newark  
David Steven Tischler, Wickliffe  
Lowell Lamar Toms, Columbus  
David Wayne Van Deusen, Columbus  
Bruce Wayne Wood, Columbus

### **Bachelor of Science in Metallurgical Engineering**

James Anthony Nicolozakes, Cambridge

### **Bachelor of Science in Mining Engineering**

Robert Dale Martin, Pataskala  
Theodore R. Myers, Columbus

### **Bachelor of Science in Welding Engineering**

Kevin Elliott Bowditch,  
Farmington Hills, Mich.  
Jonathan Dale Frymyer, Cridersville  
Steven William Worrell, Baltic

## **School of Architecture**

### **Bachelor of Science in Architecture**

Timothy Alan Bass, Columbus  
Richard James Florkey, Columbus

### **Bachelor of Science in Landscape Architecture**

David Anthony Borean, Columbus  
John Bradley Hill, Beaufort, S. C.  
James D. Paluch, Columbus

## **College of Medicine**

Dean: Manuel Tzagournis, M.D.

### **Doctor of Medicine**

Lorraine M. Birkovich, Warren  
B.A. (College of St. Benedict)  
Herbert Laub Campbell, Rocky River  
A.B.; M.Env. (Miami University)  
John Joseph Danyi, Niles  
B.S. (Youngstown State University)

Thomas Maldwynne Davis, Jr., Columbus  
B.A.

Pamela Sharon Kagay, Kettering  
B.S.

Dean Alan Kirkendall, Van Wert  
B.S. (University of Toledo)

Amy Frances Saunders, Columbus  
B.A.

Michael Robert Schuster, Elmore  
B.S. (University of Toledo)

John Mark Shie, Westlake  
B.A. (Miami University)

David Oman Warner, Ashville  
B.S.E.E.

Richard Lee Zachrich, Napoleon  
B.S.

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Patricia Louise Finch, Macedonia  
Debra Lucille Galford, Barberton  
George Alan Justison, East Palestine  
Cynthia Ann Olschewsky,  
Middleburg Heights  
Sherry Anne Solomon, Miami, Fla.  
Lori Zimmerman Wanner, Coshocton  
Mary Josephine Williams, Hobart, Ind.  
B.A. (Indiana Central College)

## School of Nursing

### Bachelor of Science in Nursing

Maria Teresa Gheri, Canton  
Sandra Ann Jesionek, Warren  
Vicki Lynn Whitlatch, Columbus

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Arthur Mark Amdur, Cleveland  
Mary Bancroft Dana, Belpre  
Daphne Eubank Fenske, Columbus  
B.S. (Queens College)  
Lynda Maureen Gilmore, Canton  
Lauraetta Louise Gonzalez, Cleveland  
Lori Cox Heiser, Elyria  
Alan Joel Jaffe, Cleveland  
David Kim Jones, Jackson  
B.S. (Miami University)  
Cynthia Marie Kelly, Murrays Hill, N. J.  
Consuelo Isabella Krolak, Columbus  
Catherine Gilchrist Miller, Cuyahoga Falls  
Vanessa Ann Patterson, Reynoldsburg  
Kathleen Marie Sanetrick, Youngstown  
James Richard Schwamburger, Fortsmouth  
B.S.  
Jennifer Marie Takats, Rossford

## College of Social Work

Acting Dean: Thomas M. Meenaghan

### Bachelor of Science in Social Welfare

Beth Ann Jennings, Findlay  
Susan Ford Morrow, Plymouth

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences). **Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

**With Distinction in Animal Science**  
Timothy Lynn Lawlis

**With Distinction in Communication**  
Jeffrey Clinton Courter

**With Distinction in Mechanical Engineering**  
Edward M. Leach

**With Distinction in Natural Resources Development**  
Richard Dwight Goodman

**With Distinction in Psychology**  
Kenneth Duane Allred

**With Distinction in French and with Honors in the Liberal Arts**  
Michael Alfred Weitzner

**With Distinction in Spanish and with Honors in the Liberal Arts**  
Therese Marie Shuler

**With Honors in the Liberal Arts**  
David Andrew LaRue  
Lawrence John Novak

## Cum Laude

William Keith Adams  
Mike Menachem Albert  
Jacqueline Ann Arnold  
Michael Aloysius Arnold  
Jan Bair  
John Morgan Baker  
Paul David Baumgartner  
Kimberly Jo Brenneman  
Valerie Jean Brom  
Janet E. Burk  
Mark Lee Clark  
Craig A. Conroy  
Rhonda Louise Corke  
Paul Thomas Corogin  
Steven Richard Clothel  
Richard James Florkey  
Martin Lee Fuller  
Helen Taylor German  
Marcel Joseph Gervais  
Nabil Yousef Ghantous  
Marlene Jayne Griffith  
Shannon Leigh Grubb  
Judith Ann Hans  
Debra Lyne Hawthorne  
Deborah Ellen Heft  
Mary Lucinda Herzog  
Sandra Kay Hood  
Deborah L. Katterheinrich  
Karen Boston Kemple  
Laurie Virginia Long  
Rebecca Kay Madden  
Anthony Scot Manna  
David Lee Mell  
Abbie Mitchell  
Philip Alan Rasor, Jr.  
Laura Ann Reutter  
Denise Anne Ryba  
Kathleen Marie Sanetrick  
William Alan Spreng  
Mary Mogan Stephens  
Nancy Jo Stewart  
Mary Jean Stinson  
Wayne W. Turner  
Denise Dawn Wines

**Cum Laude with Distinction in Parks and Recreation Administration**  
Kimberly Anne Gardner

## Summa Cum Laude

Daniel Lawrence Aden  
Douglas John Brough  
Scott Alan Cammann  
Sandra Dean Cooperrider  
Kathleen Ann Costello  
Fred Dominic DeBlasis  
Marcia Ann Eck  
Sandra Kay Hartman  
Anita Lynne Hempfing  
Christie Annette Hill  
Linda Goodwin Johnson  
John Gordon LaBine  
Frederick Nicholas Lancia II  
Gregory Joseph Mazak  
Thomas Charles Oliver  
Vichai Rojanavanich  
Michael Searfos  
Karen Sue Sellins

Katherine Jane Starkey  
Jenifer Marie Takats  
Julie Lynn Walsh  
David Oman Warner  
Lynn Yuan Willis

**Summa Cum Laude with Honors in  
the Liberal Arts**

Linda Lee Zimmer

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-EIGHTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, April 1, 1983

The Board of Trustees met at its regular monthly meeting on Friday, April 1, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*

April 1, 1983 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 12:10 p.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

--o--

Chairman Smith reconvened the meeting at 1:30 p.m.

Chairman Smith announced the appointment of the following persons to the Nominating Committee:

Leonard J. Immke, Chairman  
John F. Havens  
Shirley D. Bowser

--o--

Chairman Smith called on President Jennings to present his agendas.

### **RESTRUCTURING OF THE COLLEGE OF EDUCATION**

Resolution No. 83-100

*Synopsis: The consolidation of academic faculties within the College of Education and the establishment of three new units is proposed.*

WHEREAS the dramatic changes in the field of education have brought about a need for reorganization of the College of Education if it expects to respond both to societal needs and influence events relating to education; and

WHEREAS the proposed reorganization will group individuals in the College with similar interests thereby making it easier for the College to address the educational needs of society; and

WHEREAS the consolidation of faculties will eliminate duplication of efforts and increase fiscal and program flexibility without increasing administrative costs; and

WHEREAS the proposed reorganization has been approved by a substantial majority of faculty in the College of Education:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the reorganization of the College of Education as approved by the University Senate on March 12, 1983; and

BE IT FURTHER RESOLVED, That, effective July 1, 1983, the existing academic faculties be reconfigured into three new academic units as follows:

April 1, 1983 meeting, Board of Trustees

**RESTRUCTURING OF THE COLLEGE OF EDUCATION (contd)**

*Department of Educational Policy and Leadership*

Educational Administration  
Educational Foundations and Research  
    Foundations  
    Qualitative Research  
Special Services  
    Student Personnel  
Vocational-Technical Education

*Department of Human Services Education*

Exceptional Children  
Special Services  
    Guidance and Counseling

*Department of Educational Theory and Practice*

Early and Middle Childhood  
Educational Foundations and Research  
    Curriculum, Instruction and Development and Media  
    Qualitative Research  
Humanities Education  
Industrial Technology  
Science and Mathematics Education

Upon motion of Mr. Immke, seconded by Mr. Havens, the foregoing resolution was adopted by unanimous voice vote.

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**LABOR EDUCATION AND RESEARCH SERVICE**

Resolution No. 83-101

*Synopsis: Request for Labor Education and Research Service to be designated as a tenure initiating unit is proposed.*

WHEREAS the College of Administrative Science has requested that Labor Education and Research Service be designated as a tenure initiating unit; and

WHEREAS Labor Education and Research Service has distinct standards for promotion and tenure as set forth in the College's "Standards and Procedures for Tenure and Promotion Review" that are different from those of Continuing Education, the unit to which it is currently a part; and

April 1, 1983 meeting, Board of Trustees

**LABOR EDUCATION AND RESEARCH SERVICE (contd)**

WHEREAS Labor Education and Research Service has been recognized as a separate line-item funding unit within the College since 1969, and in practice has been treated as a tenure initiating unit; and

WHEREAS this designation as a tenure initiating unit will help organizationally by clarifying the status of persons in this unit; and

WHEREAS all persons affected by this proposed change have indicated, in writing, their understanding that with the approval of this request their tenure initiating unit will be Labor Education and Research Service:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the request as authorized by the University Senate at the meeting held March 12, 1983, that the Labor Education and Research Service be formally designated as a tenure initiating unit.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DIVISION OF ACADEMIC FACULTY OF MANAGEMENT SCIENCES**

Resolution No. 83-102

*Synopsis: It is proposed that the Academic Faculty of Management Sciences be divided into two faculties--Management and Human Resources and Management Sciences.*

WHEREAS the College of Administrative Science has requested that the Academic Faculty of Management Sciences be divided into two faculties, namely: Management and Human Resources and Management Sciences; and

WHEREAS the Academic Faculty of Labor and Human Resources be dissolved, and the members of that faculty merged with the newly established Faculty of Management and Human Resources; and

WHEREAS the proposed change in the College structure will facilitate improved collegial interaction because faculty members with like interests will be grouped together; and

WHEREAS the proposed new structure should provide for simpler and more effective administration; and

WHEREAS the proposed change was strongly supported by vote of the faculty in the College of Administrative Science after a review by a committee of the faculty appointed by the Provost:

April 1, 1983 meeting, Board of Trustees

**DIVISION OF ACADEMIC FACULTY OF MANAGEMENT SCIENCES (contd)**

.NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the restructuring of the Academic Faculty of Management Sciences into two faculties: Management and Human Resources and Management Sciences, and the dissolution of the Academic Faculty of Labor and Human Resources as approved by the University Senate at the meeting March 12, 1983.

Upon motion of Dr. Jacob, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY**

Resolution No. 83-103

*Synopsis: Amendments to rules 3335-3-35, 3335-7-21, 3335-7-29, and 3335-7-33 of the Rules of the University Faculty are proposed.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in the *Rules of the University Faculty* were approved by the University Senate on March 12, 1983, as follows:

**AMENDED RULES**

**3335-3-35** Chairpersons of departments, directors of schools.

- (A) There shall be a chairperson of each department and a director of each school, who shall be the administrative head, respectively, of the department or school. Each chairperson and director shall be appointed for a term of four years by the board of trustees upon the nomination of the president. A chairperson or director shall be eligible for reappointment.

In selecting a chairperson or director, the president shall confer with the dean of the college involved. The dean, in turn, will consult with the faculty of the department or school on all campuses, as well as other appropriate university officials.

- (B) The duties of the chairperson of a department or the director of a school shall be as follows:
- (1) To have general administrative responsibility for its program, subject to the approval of the dean of the college.



**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

- (2) To present to staff members a pattern of administration as approved in principle by the university senate with a view to the adoption of such portions as meet the approval of the department or school. This pattern is attached to these rules immediately following rule 3335-3-39 of the Administrative Code and marked "Pattern of Departmental Administration."
- (3) To prepare, after consultation in accordance with the pattern of departmental administration, a statement setting forth the criteria and procedures according to which recommendation concerning salary increases, promotions in rank, and granting of tenure are made within the department or school. This statement shall be made available to all present and prospective members of the department or school, and a copy shall be deposited in the office of the vice president for academic affairs and provost. At the beginning of each four-year term of the chairperson of a department or the director of a school, the members of the department or school and the office of the vice president for academic affairs and provost shall receive either a revision or reaffirmation of the original statement.

**3335-7-21 Marks.**

(G) "I"--incomplete

- (4) As soon as the incomplete work has been made up, the instructor, or in the case of the instructor's absence from the university, the department chairperson or the director of the school, shall file the proper mark in the office of registration, records and scheduling. Until such time as a final mark is recorded the credit for the mark "I" shall be counted as hours only, and shall not be considered in determining a student's point-hour ratio under rule 3335-7-26 of the Administrative Code.

(J) "PA/NP"--pass/non-pass

- (6) Before five p.m. of the third Friday of a quarter or the second Friday of a term, a student must have declared intention to take a course on the pass/non-pass basis by filing the appropriate form with the dean or director of the student's enrollment unit. A student may not change to or from the pass/non-pass option after five p.m. of the third Friday of a quarter or the second Friday of a term.

(K) "R"--registered to audit

This mark indicates that the student has registered to audit the course and has met the conditions established for audit enrollment in the course. No credit hours shall be awarded for this mark (see rules 3335-7-29 and 3335-7-33 of the Administrative Code).

April 1, 1983 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

**3335-7-29 Admission to courses as an auditor.**

An undergraduate or professional student may audit a course upon the approval of the professor in charge of the course and the dean of the college, or designee, in which the student is registered. (For repetition of courses, see rule 3335-7-28 of the Administrative Code.) A graduate student may audit a course upon the approval of the professor in charge of the course and the student's adviser.

**3335-7-33 Conditions for disenrollment from a course.**

- (A) After consultation with the instructor, the chairperson of the instructor's department (or other appropriate administrative official) may disenroll a student from a course if:
- (2) The student enrolls to audit a course without the instructor's approval, or fails to meet the prerequisites of the course, or fails to demonstrate adequate preparation as provided in rule 3335-7-30 of the Administrative Code. Disenrollment procedures shall be the same as in paragraph (A) (1) of this rule.
- (B) After consultation with the instructor, students in the course, and the student in question, the chairperson (or other appropriate administrative official) may disenroll a student from a course if the student presents a clear and present threat of bodily harm or injury to the instructor or fellow students, or after warning continues to engage in disruptive conduct, either of which results in impairment of teaching or learning processes:
- (3) Disenrollment is effective upon the action of the department chairperson (or other appropriate administrative official), unless reversed by the vice president for academic affairs and provost, or designee.
- (C) For disenrollment, exclusive of audit, under sections (A) and (B) this rule, the director of registration, records and scheduling shall enter on the student's official permanent record:
- (1) No mark, if the disenrollment occurs before five p.m. of the third Friday of a quarter (second Friday of the relevant term for summer term courses), or
  - (2) The mark, "W," if the disenrollment occurs after five p.m. of the third Friday of a quarter (second Friday of the relevant term for summer term courses).
- (D) If a student who has enrolled to audit a course fails to complete the requirements for audit specified by the instructor and also fails to withdraw from the course, the instructor shall so inform the office of registration, records

April 1, 1983 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

and scheduling when marks are reported for the quarter. That office will then disenroll the student from the course, removing the course from the student's permanent record, and will notify the student and the student's college of the action taken.

NOW THEREFORE

BE IT RESOLVED, That the amendments to the *Rules of the University Faculty* be adopted as recommended by the University Senate.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENT OF BYLAW OF THE BOARD OF TRUSTEES**

Resolution No. 83-104

*Synopsis: Change in composition in membership of University Hospitals Board is proposed.*

WHEREAS pursuant to 3335-1-09 of the Bylaws of the Board of Trustees of The Ohio State University, bylaws may be amended by The Ohio State University Board of Trustees; and

WHEREAS it is now appropriate to revise the composition of the University Hospitals Board so that it is composed of two members of the Board of Trustees of The Ohio State University instead of three members:

NOW THEREFORE

BE IT RESOLVED, That Bylaw 3335-1-03 of the Administrative Code be amended to read as follows:

3335-1-03 Administration of the university.

(T) University hospitals board.

- (1) The university hospitals board shall be responsible to the board of trustees for the oversight of patient care services in university hospitals. The hospitals board shall be accountable through the vice president for health services, or other designee of the president, and the president to the university board of trustees. The bylaws of the hospitals board will be subject to the approval of the university board of trustees.

April 1, 1983 meeting, Board of Trustees

**AMENDMENT OF BYLAW OF THE BOARD OF TRUSTEES**

- (2) The hospitals board shall be comprised of two members of the university board of trustees and twelve other persons, selected from the general public who shall be appointed by the university board of trustees in consultation with the president.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**AMENDMENT OF BYLAW OF UNIVERSITY HOSPITALS BOARD**

Resolution No. 83-105

*Synopsis: Change in composition in membership of University Hospitals Board is proposed.*

WHEREAS pursuant to 3335-103-01 of the University Hospitals Board Bylaws, the University Hospitals Board Bylaws may be amended by The Ohio State University Board of Trustees; and

WHEREAS it is now appropriate to revise the composition of the University Hospitals Board so that it is composed of two members of the Board of Trustees of The Ohio State University instead of three members:

NOW THEREFORE

BE IT RESOLVED, That Bylaw 3335-93-01 of the Administrative Code be amended to read:

3335-93-01 University hospitals board.

- (A) The body responsible to the Ohio state university board of trustees for oversight of patient care services, the university hospitals' support of the Ohio state university health services academic programs, shall be known as the university hospitals board (herein called board).
- (1) The hospitals board will be composed of two members of the Ohio state university board of trustees (trustee members) and twelve citizens from the general public (citizen members), all appointed by the Ohio state university board of trustees in consultation with the president of the university. No employee of the university shall be eligible for board membership.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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April 1, 1983 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD APPOINTMENTS**

Resolution No. 83-106

*Synopsis: Confirmation and approval of nominees to the University Hospitals Board is proposed.*

WHEREAS the Board of Trustees on November 30, 1979, approved the establishment of a University Hospitals Board; and

WHEREAS the membership of the Hospitals Board was approved on April 4, 1980, and has just been amended by this Board in the preceding resolutions; and

WHEREAS it is now stipulated that "The Hospitals Board shall be comprised of two members of the University Board of Trustees and twelve other persons, selected from the general public who shall be appointed by the University Board of Trustees in consultation with the President"; and

WHEREAS the present terms of four members selected from the general public and the terms of three members from the University Board of Trustees expire on April 30, 1983:

NOW THEREFORE

BE IT RESOLVED, That the following nominees be approved as general public members of the University Hospitals Board for a term of three years, effective May 1, 1983:

Dean W. Jeffers  
John W. Wolfe  
Charles Y. Lazarus

and

BE IT FURTHER RESOLVED, That the following two members of the University Board of Trustees be confirmed for membership on the University Hospitals Board for the term, May 1, 1983 through April 30, 1984:

Daniel M. Galbreath  
Edmund C. Redman

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**NAMING OF BUILDINGS**

Resolution No. 83-107

*Synopsis: Renaming of buildings is proposed.*

WHEREAS pursuant to authority of this Board in naming of all buildings at The Ohio State University as set forth in paragraph (G) of rule 3335-1-08 of the Administrative Code; and

April 1, 1983 meeting, Board of Trustees

**NAMING OF BUILDINGS (contd)**

WHEREAS the President recommended, with the concurrence of the President's Staff, that the following structures be named:

The Poultry Administration Building located at 674 West Lane Avenue be renamed Everett L. Dakan Hall, to honor Professor Dakan who served the University from 1919-1957 which included 32 years as Chairman of the Department of Poultry Science.

Women's Commons located at 251 West Twelfth Avenue be renamed June F. Kennedy Commons to honor June F. Kennedy who served as the first Food Service Director from 1939-1959.

NOW THEREFORE

BE IT RESOLVED, That the buildings listed in the preceding paragraphs be renamed as proposed.

Upon motion of Mrs. Bowser, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DISTINGUISHED SERVICE AWARDS**

Resolution No. 83-108

*Synopsis: Recommendation for six individuals to receive Distinguished Service Awards is proposed.*

WHEREAS the President's Staff, serving as a Committee on Distinguished Service Awards, has nominated and recommended six individuals for approval by the Board of Trustees to receive the Distinguished Service Award at a time convenient to the University and the recipients:

- Richard D. Altick
- William R. Coyle
- M. Merle Harrod
- Walter L. Hartman
- Ross L. Mooney
- William F. Rounds

and

WHEREAS these awards are given in recognition of distinguished service to The Ohio State University and the awards are in accordance with action taken by the Board of Trustees in 1952:

April 1, 1983 meeting, Board of Trustees

**DISTINGUISHED SERVICE AWARDS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the Distinguished Service Awards be approved for awarding as designated above.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 83-109

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Appointment of Department Chairmen; Reappointment of Department Chairmen and Director of School; Leaves of Absence Without Salary; Professional Improvement Leaves; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the March 4, 1983 meeting of the Board, including the following Appointments; Appointment of Department Chairmen; Reappointment of Department Chairmen and Director of School; Leaves of Absence Without Salary; Professional Improvement Leaves; and Emeritus Titles as detailed in the University Budget, be approved.

Appointments

Name: THOMAS L. TOBIN  
 Title: Vice President for University Communications and Development  
 Office: University Communications and Development  
 Effective: On or about May 9, 1983  
 Salary: \$72,500.00  
 Present Position: Special Assistant to the President and University Director of Public Affairs, University of Illinois

Name: MANUEL TZAGOURNIS  
 Titles: Vice President for Health Services and Dean of the College of Medicine  
 Office: Health Services  
 Effective: April 1, 1983  
 Salary: \$79,080.00  
 Present Position: Acting Vice President for Health Services and Dean of the College of Medicine

April 1, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Name: J. LANCE KRAMER  
Title: Director of Continuing Education  
Office: Academic Affairs  
Effective: July 1, 1983  
Salary: \$55,080.00  
Present Position: Assistant Provost, Kansas State University

Name: GEORGE W. PAULSON  
Title: Professor (Helen C. Kurtz Chair in Neurology) and Acting  
Chairman  
Department: Neurology  
Effective: March 1, 1983  
Salary: \$50,640.00  
Present Position: Professor and Acting Chairman, Department of Neurology,  
The Ohio State University

Name: SAMUEL CATALAND  
Title: Professor (Ralph W. Kurtz Chair in Endocrinology)  
Department: Medicine  
Effective: March 1, 1983  
Salary: \$62,160.00  
Present Position: Professor, Department of Medicine

Appointment of Department Chairmen

October 1, 1983 through June 30, 1987

English Morris Beja

October 1, 1983 through June 30, 1984

Statistics \*Douglas A. Wolfe

Reappointment of Department Chairmen and Director of School

July 1, 1983 through June 30, 1987

School of Journalism Walter K. Bunge

October 1, 1983 through June 30, 1987

Geography John Rayner

October 1, 1984 through June 30, 1988

Statistics J. S. Rustagi

\* Acting Chairman



April 1, 1983 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary

ELEANOR M. DANIEL, Assistant Professor, University Libraries, effective March 1, 1983 through June 30, 1983, for medical reasons.

SHARRON COPLIN, Instructor, Cooperative Extension Service, effective March 1, 1983 through March 15, 1983, for medical reasons.

#### Professional Improvement Leaves

ALBERT B. BISHOP, Professor, Department of Industrial and Systems Engineering, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

MICHAEL C. GERALD, Professor, College of Pharmacy, effective Summer Quarter 1983, Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

JOHN PRICE HIRTH, Professor, Department of Metallurgical Engineering, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

MING T. LIU, Professor, Department of Computer and Information Science, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

J. S. RUSTAGI, Professor, Department of Statistics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

BENNETT D. BAACK, Associate Professor, Department of Economics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

JAMES R. BLAKESLEE, JR., Associate Professor, Department of Veterinary Pathobiology, effective Summer Quarter 1983 and Autumn Quarter 1983.

STEPHEN A. BUSER, Associate Professor, Academic Faculty of Finance, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

HOWARD CRANE, Associate Professor, Department of History of Art, effective Autumn Quarter 1983 and Winter Quarter 1984.

DONALD H. DEAN, Associate Professor, Department of Microbiology, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

BARBARA D. GROSECLOSE, Associate Professor, Department of History of Art, effective Autumn Quarter 1983 and Winter Quarter 1984.

TETSUNORI KOIZUMI, Associate Professor, Department of Economics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

April 1, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Professional Improvement Leaves (contd)

WILMA K. MECKSTROTH, Associate Professor, Department of Chemistry (Newark Campus), effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

M. KATHERINE MEYER, Associate Professor, Department of Sociology, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

CLARA CREAGER, Assistant Professor, Department of Art, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

Emeritus Titles

STANLEY JOACHIM CZYZAK, Department of Astronomy, with the title Professor Emeritus, effective July 1, 1983.

STANLEY FISTICK, Department of Art, with the title Associate Professor Emeritus, effective July 1, 1983.

HOWARD M. BENNINGTON, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective March 1, 1983.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTION**

Resolution No. 83-110

*FACULTY EXCHANGE*

*Synopsis: A Faculty Exchange for Professor Robert Lenardon in the Department of Classics is proposed with the State University of New York at Albany.*

WHEREAS appropriate officials in The Ohio State University Department of Classics and the State University of New York at Albany have proposed an exchange of faculty for a period of one academic year; and

WHEREAS arrangements such as this are encouraged by member institutions of the Committee on Institutional Cooperation; and

WHEREAS the proposed exchange of services would be of significant benefit to the institutions involved, especially the employing departments, as well as the individuals themselves; and

April 1, 1983 meeting, Board of Trustees

**PERSONNEL ACTION (contd)**

*FACULTY EXCHANGE (contd)*

WHEREAS the maintenance of the faculty members' employment relationship with each one's home institution would provide continuity in their compensation package and would protect their established employment benefits:

NOW THEREFORE

BE IT RESOLVED, That Professor Robert Lenardon of the Department of Classics be placed on detached service from the University for the 1983-84 Autumn, Winter and Spring Quarters to perform services at the State University of New York at Albany in exchange for the services of Professor Hans A. Pohlsander of that university.

BE IT FURTHER RESOLVED, That the compensation/benefits entitlements of each individual shall be maintained and continued by the home institution as though each was still performing services there.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 83-111

*Synopsis: Resolutions honoring the service of five of this University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the foregoing resolution was adopted by unanimous voice vote.

Dr. Jacob paid tribute to Dr. Oscar P. Snyder as follows:

I'd just like to say that Dr. Oscar Snyder was a graduate of The Ohio State College of Dentistry and served in the highest position in the U. S. Army that a dentist can serve, and that is as the Surgeon General of the Dental Corps. And then he returned to Ohio State and served on the faculty for, I'd say, about eight years and during that time I had the pleasure of being a student of his and certainly appreciate what he taught me. He lived a very long and useful life, and I was happy to be able to spend about an hour and a half with his family at the time of the funeral; and I'm certainly glad that we are able to recognize him. And I just think that he has been of great service not only to the University, but to the country.

April 1, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Carl A. Nissen

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 8, 1983, of Carl A. Nissen, Associate Professor Emeritus in the Department of Sociology.

He received his B.S. degree in 1922 from Linfield College, his M.A. degree from the University of Chicago in 1929, and his Ph.D. from The Ohio State University in 1947.

In addition to his work at O.S.U., Professor Nissen taught at Berea College, Baldwin-Wallace, Denison University, and the Askov-Folk-School, Denmark. He was professionally interested in the ministry and he served a number of churches in the central Ohio area.

Within the field of sociology, Dr. Nissen's primary interests were in the areas of marriage and the family. He had the ability to communicate extremely well with students and many sought his guidance. He was associated with the department's counseling program and also served as a marriage counselor at the Broad Street Methodist Church in Columbus. He retired from O.S.U. in 1965 and moved to Sun City Center, Florida, where he continued to be active in community organizations.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Eldis O. Reed

The Board of Trustees of The Ohio State University expresses its sorrow at the death on December 14, 1982, of Professor Eldis O. Reed, Department of Engineering Graphics.

Professor Reed was born in Canton, Ohio, on November 12, 1922. He earned a bachelor's degree in Metallurgical Engineering from Ohio State University in 1943 and a master's degree in Education in 1950.

Professor Reed began his career as an undergraduate laboratory assistant with the Department of Engineering Graphics. He joined the faculty as an instructor and was advanced to Assistant Professor in 1951. He obtained the rank of Professor in 1970.

Professor Reed was a registered professional engineer who was employed during the summer by the City of Columbus in 1953, the Ohio State Aerodynamic Laboratory in 1954, the B. C. Wilson Co. in 1955 and Purtz and Reed, Inc. from 1956 to 1961. Since 1961 he served as consulting engineer to several organizations.

Professor Reed served with the U. S. Army Corps of Engineers during World War II, rising from the rank of private to second lieutenant.

April 1, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Eldis O. Reed (contd)

Professor Reed was a dedicated teacher who enjoyed his work with his students. He was the founder of the Society of Women Engineers chapter at Ohio State and spent many hours promoting the cause of engineering as a career for both men and women. He believed that engineering education encompassed other countries and cultures and promoted international study tours to broaden the engineering students' horizons. An outgrowth of these two activities was the Professional Development Laboratories that brought practicing engineers and industrial managers together with undergraduate students for a weekend of information exchange and discussion.

Professor Reed was a member of the American Society of Engineering Education; Sigma Gamma Epsilon, metallurgical and mining engineering honorary; the International Committee of the YMCA, and the First Community Church. He was an honorary member of Delphi and Texnikoi.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was requested that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Dr. Oscar P. Snyder

The Board of Trustees of The Ohio State University expresses its sorrow at the death on February 21, 1983, of Dr. Oscar P. Snyder, Assistant Professor Emeritus in the College of Dentistry.

Dr. Snyder received his D.D.S. degree from The Ohio State University in 1916. He was appointed a dental surgeon in the U. S. Army the same year. He served with the 28th Division in France during World War I and in the European and Pacific Theaters during World War II. Dr. Snyder rose through the ranks and was promoted to Major General in 1954 when he was appointed chief of the Dental Corps by President Dwight D. Eisenhower. He retired in 1956 after serving 40 years in the service. He served as a faculty member at the College of Dentistry from 1957 until 1965 when he retired.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Charles A. Thompson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 26, 1983, of Charles A. Thompson, Professor in the College of Law.

April 1, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Charles A. Thompson (contd)

Charles Thompson was born in Gas City, Indiana, July 8, 1942. He received the Bachelor of Science degree from Ball State University in 1965, the Juris Doctor degree from Indiana University at Indianapolis in 1969 and the Master of Law degree from New York University in 1970. Thompson was the reporter for the Indiana Criminal Law Study Commission from 1970 to 1973 and was an Associate Attorney with Henderson, Daily and Foxworthy of Indianapolis in 1973 and 1974. He joined the faculty of The Ohio State University College of Law as an Assistant Professor in 1974 and was promoted to Associate Professor in 1977. He was promoted to Professor in 1979 and served in that capacity until his death from a heart attack in February of this year. He was the Director of the Legal Clinic at the College of Law from 1978 to 1982.

Professor Thompson left behind a remarkable legacy of scholarship especially in view of his premature death. He was the leading authority on Indiana criminal law having written the commentary for the six volume *Indiana Code of Criminal Law and Procedure* as well as the two volume traffic code. Thompson was also an expert on civil procedure having written (with Fink) revisions for two volumes of *Moore's Federal Practice* and co-authored with W. J. Hostetler a five-volume work on *Indiana Forms of Pleading and Practice*. In addition he was a co-author with John Slain and Freda Bein of *Agency, Partnership and Employment* (1980). Thompson also authored numerous articles in legal periodicals.

Professor Thompson was respected as an outstanding teacher of both clinical and traditional law courses. His casual and approachable manner and his sincere interest in his fellow human beings won him deep affection from his students and his colleagues. His zest for life was illustrated by among other things his interest in his motorcycles and in jazz and he will also be remembered as the founder, captain and inspiration for the faculty-student softball team known as the Stranger City Strangers.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Ruth H. Wheeler

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 1, 1983 of Ruth H. Wheeler, Associate Professor Emeritus in the School of Health, Physical Education, and Recreation.

She was educated at The Ohio State University receiving the B.S. degree in 1936 and the M.A. degree in 1937 and at the Mayo Clinic where she was certified as a Registered Physical Therapist. Professor Wheeler also did advanced study at Toledo and Michigan State Universities.

April 1, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Ruth H. Wheeler (contd)

Mrs. Wheeler served as a member of the faculty of the Division of Physical Education from 1937-1940. From 1942-1945, she served as an officer in the United States Army Physical Therapy Corps. In 1962, she returned to The Ohio State University where she was a member of the faculty until her retirement in 1980.

Professor Wheeler worked extensively in the areas of conditioning and therapeutic exercise, neurological and physical handicap and various dimensions of retardation. She was the author of several articles for professional journals and her publication, *Physical Education for the Handicapped*, has been a widely used text. She contributed her expertise not only to the University but to many community agencies through numerous clinics and workshops.

On behalf of the University, the Board of Trustees expresses to the family its deepest sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-112

*Synopsis: The reports on contracts, grants, and gifts and the summary for February 1983 are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of February 1983, be approved.

Upon motion of Mr. Berry, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR FEBRUARY 1983**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	51	\$2,516,331.00
Engineering Experiment Station	34	\$ 149,430.00
Ohio Agricultural Research and Development Center	3	\$ 25,622.00
		\$2,691,383.00
The Ohio State University Development Fund		
Establishment of Named Funds		
Warner and Lora Pomerene Faculty Enhancement Fund (College of Agriculture and Home Economics)		\$50,640.98
The J. Parker and Kathryn Webb Dinius Fellowship Fund (Graduate or professional student fellowships)		\$10,000.00
The Chicago Corporation Fund (College of Administrative Science)		\$ 8,000.00
William A. Schoonover - Trane Scholarship (College of Engineering)		\$ 7,450.00
The Metropolitan Washington, D. C. Alumni Scholarship Fund (Undergraduate scholarships for Washington, D. C. students)		\$ 5,273.00
The Department of Family Relations and Human Development Endowed Fund (Department of Family Relations and Human Development)		\$ 5,000.00
The Ellen Gerlat Memorial Scholarship Fund in Veterinary Medicine (College of Veterinary Medicine)		\$ 5,000.00



April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR FEBRUARY 1983 (contd)**

**Report from Presidents Club**

Members to date	4,590
1983 members: year to date	26
New members - February 1983	9

**New Presidents Club Members - February 1983**

James D. Benes	Jimmie L. Huitt, Jr.
Dan Brown	Linda S. Landefeld (Mrs. Ronald)
Henry R. Falken	Robert R. McMaster
Sandra S. Feinstein (Mrs. Donald L.)	Gary W. Roubink
Mary J. Goldthwaite	

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - February 1983

**Federal Research Contracts/Grants**

\$168,920.00 - National Science Foundation, Washington, D. C., Emergent Citizen Groups in Disaster Preparedness and Recovery Activities, Department of Sociology (E. L. Quarantelli), 1 March 1983 through 29 February 1984. (Project 762862 - Continuation)

\$149,971.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Basic Electromagnetic Scattering Studies, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 8 February 1983 through 7 February 1984. (Project 763451 - New)

\$117,996.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Genetic and Molecular Studies of RNA Splicing, Department of Genetics (P. S. Perlman), 1 March 1983 through 29 February 1984. (Project 763452 - New)

\$102,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Role of Glycolipids in Glioma Resistance to Cytolysis, Department of Pathology (A. J. Yates), Department of Radiology (R. E. Stephens) and Department of Medicine (R. L. Whisler), 1 February 1983 through 31 January 1984. (Project 762989 - Continuation)

\$96,039.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, The Role of  $\alpha$ -Lactalbumin in Lactose Biosynthesis, Department of Chemistry (L. J. Berliner), 1 February 1983 through 31 January 1984. (Project 763428 - New)

\$83,600.00 - National Science Foundation, Washington, D. C., Superfluid Turbulence, Department of Physics (J. T. Tough), 1 March 1983 through 29 February 1984. (Project 763441 - Continuation)

\$82,500.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Studies on Syntheses and Derivatives of Boron Hydride Systems, Department of Chemistry (S. G. Shore), 1 April 1983 through 31 March 1984. (Project 763039 - Continuation)

\$77,760.00 - National Science Foundation, Washington, D. C., Extension and Evaluation of a Methodology for Managing Assembly Systems, Department of Industrial and Systems Engineering (W. E. Wilhelm), 1 February 1983 through 31 January 1985. (Project 763431 - New)

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$60,326.00 - National Science Foundation, Washington, D. C., Unitary Group Methods for the Electron Correlation Problem, Department of Chemistry (I. Shavitt), 15 February 1983 through 29 February 1984. (Project 763437 - Continuation)

\$59,816.00 - National Science Foundation, Washington, D. C., Resonance Phenomena in Electron-Molecule Collisions, Department of Chemistry (C. W. McCurdy), 1 March 1983 through 29 February 1984. (Project 763440 - Continuation)

\$58,600.00 - National Science Foundation, Washington, D. C., Multiple Hydrogen Bonding, Department of Chemistry (J. Hine), 1 March 1983 through 29 February 1984. (Project 762996 - Continuation)

\$56,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, The Ohio Sea Grant Program 1982-1983, Center for Lake Erie Area Research (J. M. Reutter), 1 January 1983 through 31 December 1983. (Project 762833 - Continuation)

\$49,979.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Analysis of Airborne Antenna Patterns, Department of Electrical Engineering, ElectroScience Laboratory (R. C. Rudduck), 1 March 1983 through 31 August 1983. (Project 761012 - Continuation)

\$47,136.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Analysis of Local Circuitry in the Inferior Olive, Department of Anatomy (G. A. Bishop), 1 February 1983 through 31 January 1984. (Project 763013 - Continuation)

\$40,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Pulse Radiolysis Studies of Fast Reactions in Molecular Systems, Department of Chemistry (L. M. Dorfman), 1 February 1983 through 31 January 1984. (Project 762589 - Continuation)

\$38,263.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Impact Quantification and Human Trauma Correlation, Department of Mechanical Engineering (R. L. Stalnaker), 1 January 1983 through 31 December 1983. (Project 763443 - New)

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$37,454.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Multiple Comparisons with the Best Treatment, Department of Statistics (J. C. Hsu), 1 March 1983 through 29 February 1984. (Project 763442 - New)

\$25,093.00 - National Science Foundation, Washington, D. C., History of Volcanic Activity and Glaciation During the Late Cenozoic Era in the Ross Embayment, Antarctica, Institute of Polar Studies (G. Faure), 15 January 1983 through 14 January 1984. (Project 763448 - New)

\$20,000.00 - Department of the Air Force, Air Force Systems Command, Electronic Systems Division, Hanscom Air Force Base, Massachusetts, Applications of Full Wave Solutions to HF Heating and Generation of Irregularities in the F-Region of the Ionosphere, Department of Electrical Engineering (T. A. Seliga), 1 June 1983 through 30 September 1983. (Project 763439 - New)

\$10,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, SETI Research, Department of Electrical Engineering (J. D. Kraus), 1 December 1982 through 30 June 1983. (Project 760413 - Continuation)

\$8,040.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Bureau of Health Professions, Hyattsville, Maryland, Early Interaction between Adolescent Mothers and Infants, Department of Family Relations and Human Development (E. R. Hock and M. Pitzer), 1 April 1983 through 31 March 1984. (Project 763456 - New)

\$4,833.00 - Department of the Air Force, Air Force Systems Command, Materials Laboratory, Wright Patterson Air Force Base, Ohio, Generation and Characterization of Rapidly Solidified Titanium Alloys, Department of Welding Engineering (W. A. Baeslack, III), 1 October 1982 through 30 June 1983. (Project 763450 - New)

\$3,960.00 - National Science Foundation, Washington, D. C., The Structure, Organization and Activity of the Vascular Cambium in Pennsylvanian Age Fossil Plants (Location and Analysis of Materials), Department of Botany (T. N. Taylor), 1 March 1983 through 29 February 1984. (Project 763458 - New)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program/Biological Sciences, Office of Minority Affairs (R. T. McDonald), 1 March 1983 through 29 February 1984. (Project 762731 - Continuation)

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program/Medicine, Office of Minority Affairs (R. T. McDonald), 1 March 1983 through 29 February 1984. (Project 762728 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program/Pharmacy, Office of Minority Affairs (R. T. McDonald), 1 March 1983 through 29 February 1984. (Project 762730 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program/Veterinary Medicine, Office of Minority Affairs (R. T. McDonald), 1 March 1983 through 29 February 1984. (Project 762729 - Continuation)

\$2,868.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 March 1983 through 30 June 1983. (Project 761160 - Continuation)

\$1,647.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Supplemental Funds to Initiate, Improve or Expand a Program of Cooperative Education, Agriculture Technical Institute - Administrative Support (D. D. Garrison), 1 October 1982 through 30 September 1983. (Project 763435 - New)

\$1,562.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems (M. T. Liu), 1 February 1983 through 22 June 1983. (Project 762718 - Continuation)

\$500.00 - National Foundation for the Arts and Humanities, National Endowment for the Arts, Washington, D. C., Film/Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1983 through 31 December 1983. (Project 763414 - Continuation)

**TOTAL - FEDERAL AWARDS**

**\$1,416,933.00**

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

State of Ohio Research Contracts/Grants

\$151,590.00 - State of Ohio, Department of Education, Ohio Occupational Information Coordinating Committee, Columbus, Ohio, Occupational Employment Statistics Survey Program in Ohio for Manufacturing and Hospitals, Department of Economics (S. C. Kelley) and Academic Faculty of Labor and Human Resources (H. R. Blaine and M. H. Sandver), 1 January 1983 through 30 June 1984. (Project 763434 - Continuation)

\$140,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Industrial Training Program to Meet Changing Manpower Needs in the State of Ohio, College of Education - Administration (J. J. Buffer) and Academic Faculty of Vocational-Technical Education (J. E. Sage), 1 November 1982 through 30 June 1983. (Project 763427 - New)

\$25,330.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Medicine (S. P. Balcerzak), 1 July 1982 through 30 June 1983. (Project 762760 - Continuation)

\$5,000.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Joint Liaison Office, Nisonger Center for Mental Retardation (D. C. Cavin), 1 February 1983 through 30 July 1983. (Project 763429 - New)

\$1,350.00 - Ohio Arts Council, Columbus, Ohio, A Dayton Ballet Company Performance, Newark Campus and Division of Comparative Studies in the Humanities (I. Cardozo-Freeman), 1 July 1982 through 30 June 1983. (Project 763446 - New)

TOTAL - STATE OF OHIO AWARDS \$ 323,270.00

Industrial Research Contracts/Grants

\$310,000.00 - Rockwell International, North America Aircraft Operations, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory, (L. Peters and W. D. Burnside), 1 October 1982 through 30 September 1983. (Project 762982 - Continuation)

\$190,000.00 - Air Products and Chemicals, Inc., Allentown, Pennsylvania, Chelate Dioxide Carriers for Use in Facilitated Transport, Department of Chemistry (D. H. Busch), 1 February 1983 through 31 January 1985. (Project 763432 - New)

\$37,560.00 - Pfizer Inc., Groton, Connecticut, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass, J. L. Plouffe and M. F. Para), 1 May 1982 through Indefinite. (Project 763181 - Continuation)

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$23,715.00 - DNA Clinical Research Corporation, Inc., Columbus, Ohio, Strand Break Repair of DNA in Human Peripheral Lymphocytes, Department of Radiology (R. E. Stephens and P. D. Lipetz), 1 January 1983 through 30 June 1983. (Project 762992 - Continuation)

\$22,000.00 - Air Products and Chemicals, Inc., Allentown, Pennsylvania, Funds for Equipment, Department of Chemistry (D. H. Busch), 1 February 1983 through 31 January 1985. (Project 763433 - New)

\$18,530.00 - Pioneer Hi-Bred International, Inc., Johnstown, Iowa, Maize Rhabdovirus Identification and Characterization, Department of Plant Pathology (OARDC) (D. T. Gordon) and Department of Entomology (OARDC) (L. R. Nault), 1 January 1983 through 31 December 1983. (Project 763430 - New)

\$18,255.00 - Ross Laboratories, A Division of Abbott Laboratories, Columbus, Ohio, The Effect of Three High Nitrogen Chemically Defined Diets on Nitrogen Status Energy Expenditure and Fecal Characteristics of Healthy College Students, Department of Human Nutrition and Food Management (V. M. Vivian and J. T. Snook), 1 January 1983 through 30 June 1983. (Project 763444 - New)

\$16,100.00 - The Procter & Gamble Company, Cincinnati, Ohio, Detection of Neurotoxicity by Morphologic and Functional Techniques, Department of Medicine (J. P. Mendell and Z. Sahenk), 1 January 1983 through 31 December 1983. (Project 762821 - Continuation)

\$6,052.00 - Beecham Laboratories, Bristol, Tennessee, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass, J. L. Plouffe and M. F. Para), 1 May 1982 through Indefinite. (Project 763181 - Continuation)

**TOTAL - INDUSTRIAL AWARDS**

**\$ 642,212.00**

**Other Non-Federal Research Contracts/Grants**

\$45,000.00 - Electric Power Research Institute, Palo Alto, California, Simultaneous Chromizing-Aluminizing of Steels, Department of Metallurgical Engineering (R. A. Rapp), 1 January 1983 through 31 December 1983. (Project 763292 - Continuation)

\$35,000.00 - American Chemical Society, The Petroleum Research Fund, Washington, D. C., Bifunctional Catalysis via Iminium Ions, Department of Chemistry (J. Hine), 1 September 1983 through 31 August 1985. (Project 763454 - New)

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$21,938.00 - The University of Florida, Gainesville, Florida, Resistance of Exotic Breeds of Sheep to Chronic Fascioliasis, Department of Animal Science (OARDC) (B. A. Dehority), 1 October 1982 through 30 September 1984. (Project 763449 - New)

\$17,878.00 - Franklin County Mental Health Board, Columbus, Ohio, Enhancement of the Decision Support System, Academic Faculty of Management Sciences (D. A. Schilling), 1 January 1983 through 31 December 1983. (Project 763386 - Continuation)

\$10,100.00 - Exxon Education Foundation, New York, New York, Dissemination of Reflective Teaching, Academic Faculty of Educational Foundations and Research (D. R. Cruickshank), 1 March 1983 through 30 September 1984. (Project 763455 - Continuation)

\$4,000.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Tumor-Infiltrating Macrophages, Department of Microbiology (R. F. Mortensen), 1 January 1983 through 31 December 1983. (Project 763445 - New)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 133,916.00

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

\$149,430.00 Thirty-four development projects under the direction of 7 engineering departments and research areas.

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contracts/Grants**

\$16,622.00 - Grants Administrative Management Office, Science and Education Administration, North Central Region Pesticide Impact Assessment Program, Washington, D. C., support of a study on impact of a soil-insecticide on soil and foliage arthropod communities in conventional and conservation tillage corn and soybean agroecosystems, Department of Entomology, March 1, 1983 to February 29, 1984.

\$6,000.00 - Michigan State University, Pesticide Research Center, East Lansing, Michigan, continued support of IR-4 Satellite Laboratory, Department of Entomology, to June 30, 1983. (Subcontract 80 CRSR-2-0506)

TOTAL - FEDERAL CONTRACTS/GRANTS \$22,622.00



April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

Industrial and Other Contract/Grant

\$3,000.00 - Fats and Proteins Research Foundation, Des Plaines, Illinois, continued support of a study on determining the best processing conditions for broiler feathers which are untreated, phosphoric acid-treated, or sodium carbonate-treated, Department of Poultry Science, to June 30, 1983.

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

Report - December 1982

Gifts of \$5,000 or more

- \$294,473.75 Carl Haas, Phoenix, Arizona--\$294,468.75 for Chair in Food Industries and \$5.00 for Student Athlete Grant-in-Aid.
- \$165,069.00 Leslie Wexner, Columbus, Ohio--\$164,920.00 for Wexner Fund and \$149.00 for Student Athlete Grant-in-Aid.
- \$ 93,525.00 John Gerlach, Columbus, Ohio--\$93,500.00 for John J. Gerlach Professorship and \$25.00 for Student Athlete Grant-in-Aid.
- \$ 70,022.32 C. Barber, Lakewood, Ohio, for C. Glenn Barber Fund.
- \$ 64,536.50 Robert D. Smith, Upland, California--\$63,536.50 for Robert D. Smith Electrical Engineering Fund and \$1,000.00 for Student Athlete Grant-in-Aid.
- \$ 55,000.00 Helen Clarkson, Columbus, Ohio, for Helen Clarkson Memorial.
- \$ 53,300.00 Florence Johnson, Columbus, Ohio--\$43,000.00 for Reese Arthritis Research; \$10,000.00 for Ophthalmic Laser Lab; and \$300.00 for Friends of WOSU.
- \$ 50,000.00 Dreyfus Foundation, Inc., New York, New York--\$47,000.00 for Dreyfus Teacher-Scholar Grants - Dr. McCurdy and \$3,000.00 for Dreyfus Administrative Grant in Chemistry.
- \$ 50,000.00 General Motors Corporation, Warren, Michigan, for Advanced Design Methods Laboratory Mechanical Engineering.
- \$ 50,000.00 Scientific Atlanta, Inc., Atlanta, Georgia, for ElectroScience Lab.
- \$ 38,750.00 Cleveland Institute of Electronics, Cleveland, Ohio, for Newton D. Baker Scholarship Fund.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or more (contd)

- \$ 35,780.13 Louise Scott Foundation, Columbus, Ohio--\$26,835.10 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy and \$8,945.03 for William Craig Orr and Mary Black Orr Scholarship in Medicine.
- \$ 32,200.00 Jack Strader, Columbus, Ohio, for D. C. Kiplinger Chair.
- \$ 31,500.00 E. C. and H. L. Stephenson Foundation, Grosse Pointe Woods, Michigan, for Edward C. and Hazel L. Stephenson Scholarship Fund.
- \$ 30,000.00 OSU Medical Research and Development Foundation, Columbus, Ohio, for Medicine Progress Fund.
- \$ 30,000.00 R & A Shafer Foundation, Columbus, Ohio, for Student Athlete Grant-in-Aid.
- \$ 28,744.90 Systems Associates, Columbus, Ohio--\$28,509.03 for Cardiology Support Fund and \$235.87 for Pacemaker Development Fund.
- \$ 27,575.00 Ruth Wilson, Westerville, Ohio--\$27,475.00 for James Hay and Ruth Jansson Wilson Professorship in Cardiology and \$100.00 for Friends of WOSU.
- \$ 26,400.00 Yassenoff Foundation, Inc., Columbus, Ohio--\$7,500.00 for Student Athlete Grant-in-Aid Fund; \$1,000.00 for College of Art Support Fund; \$1,000.00 for Arts and Sciences Placement Services Fund; \$1,000.00 for Math and Physical Science Dean's Emergency Fund; \$1,000.00 for Graduate School Support Fund; \$1,000.00 for Biological Science Special Fund; \$1,000.00 for University College Fund; \$1,000.00 for College of Social Work Emergency Fund; \$1,000.00 for College of Agriculture; \$1,000.00 for Optometry Fund; \$1,000.00 for College of Education Support Fund; \$1,000.00 for Veterinary Advancement Fund; \$1,000.00 for College of Administrative Science; \$1,000.00 for Journalism Director's Special Fund; \$1,000.00 for Dentistry Advancement Endowment Fund; \$1,000.00 for Social and Behavioral Science Fund; \$1,000.00 for College of Engineering Special Fund; \$1,000.00 for Pharmacy Advancement Fund; \$500.00 for Physical Medicine Support Fund; \$500.00 for College of Law School; \$500.00 for Law Discretionary Fund; \$200.00 for OSU Ophthalmology Center; and \$200.00 for Yassenoff Polar Study.
- \$ 26,225.00 Martha Staub, Columbus, Ohio--\$26,200.00 for Martha G. and Milton Staub Chair for Research in Ophthalmology and \$25.00 for Friends of WOSU.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or more (contd)

- \$ 26,000.00 E. Orton, Jr., Ceramic Fund, Westerville, Ohio, for John L. Caruthers Fellowship in Ceramic Engineering.
- \$ 21,917.96 W. H. Havener, M.D., Inc., Columbus, Ohio, for Ophthalmology Teaching Fund.
- \$ 20,154.00 William Walter, Columbus, Ohio--\$16,926.00 for College of Law Advancement Fund; \$1,612.00 for Music Emergency Fund; \$1,612.00 for Friends of WOSU; and \$4.00 for Student Athlete Grant-in-Aid.
- \$ 20,111.00 Sterling-Winthrop Research Institute, Rensselaer, New York, for Cardiovascular Pharmacology.
- \$ 20,000.00 Mansfield University Foundation, Inc., Mansfield, Ohio, for Mansfield Branch Scholarship Fund.
- \$ 20,000.00 Miles Laboratories, Inc., West Haven, Connecticut, for Infectious Disease Research Fund.
- \$ 19,874.12 William Buente, Spring Lake, New Jersey, for College of Medicine Progress Fund.
- \$ 19,408.00 C. F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation.
- \$ 18,436.80 James Nordholt, Tiffin, Ohio, for Nordholt Professorship in Engineering.
- \$ 18,350.00 Paul Ludwig, Marion, Ohio, for Chair in Food Industries.
- \$ 17,000.01 Needham Harper, New York, New York, for WOSU Support Fund.
- \$ 16,147.52 Retinal Consultants, Columbus, Ohio, for Retina Research Fund.
- \$ 15,555.08 University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.
- \$ 15,000.00 Alcoa Foundation, Pittsburgh, Pennsylvania--\$10,000.00 for Affirmative Action Fund and \$5,000.00 for Advanced Design Methods Laboratory Mechanical Engineering.
- \$ 15,000.00 King Saud University, Riyadh, Saudi, Arabia, for El-Obeid Project.
- \$ 15,000.00 TRW Foundation, Cleveland, Ohio--\$10,000.00 for Advanced Design Methods Laboratory Mechanical Engineering Fund and \$5,000.00 for Capital Campaign in Industrial Systems.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or more (contd)

- \$ 14,590.00 Grace Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Memorial Fund.
- \$ 14,000.00 Katherine Parrett, Washington Court House, Ohio, for Katherine E. Parrett Scholarship.
- \$ 12,500.00 Vesuvius Crucible Charitable Foundation, Pittsburgh, Pennsylvania--\$6,250.00 for Engineering Evaluation Program and \$6,250.00 for Engineering Mechanics Chairman's Discretionary Fund.
- \$ 11,716.00 Whirlpool Corporation, Marion, Ohio, for Electrical Engineering Chairman's Discretionary Fund.
- \$ 10,342.31 Paul A. Weber, M.D., Inc., Columbus, Ohio--\$10,315.81 for Glaucoma Research Fund and \$26.50 for Ophthalmology Photography Fund.
- \$ 10,100.00 Pfizer, Inc., Groton, Connecticut, for Horton Polysaccharide Research Account.
- \$ 10,100.00 Sanford Price, Woodville, Ohio--\$10,000.00 for Price Family Agriculture Fund and \$100.00 for Student Athlete Grant-in-Aid.
- \$ 10,035.00 Schring-Plough Fund, Kenilworth, New Jersey--\$10,000.00 for Graduate Training Fund and \$35.00 for College of Agriculture.
- \$ 10,000.00 Armco Foundation, Middletown, Ohio, for Ohio 4-H Foundation Support Fund.
- \$ 10,000.00 Baker and Company, Columbus, Ohio, for Chair in Food Industries.
- \$ 10,000.00 C. Brian, Eaton, Ohio, for Martha Brian Scholarship.
- \$ 10,000.00 Eaton Charitable Foundation, Cleveland, Ohio, for Advanced Design Methods Laboratory Mechanical Engineering.
- \$ 10,000.00 Ferrous Industry Energy Research, Hamilton, Ontario, Canada, for Fera Research Fund.
- \$ 10,000.00 Glaxo, Inc., Fort Lauderdale, Florida, for Antibiotic Research Rotary - Robert Fass.
- \$ 10,000.00 Gleason Memorial Fund, Rochester, New York, for Gleason Fund.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or more (contd)

- \$ 10,000.00 George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation Fund for Enology and Viticulture.
- \$ 10,000.00 Carole Schuller, Columbus, Ohio, for Otolaryngology Fund.
- \$ 10,000.00 TRW, Inc., Cleveland, Ohio--\$5,000.00 for ElectroScience Lab Director's Fund and \$5,000.00 for Capital Campaign in Industrial Systems.
- \$ 9,250.00 Porthouse Trust, Kent, Ohio--\$5,250.00 for College of Engineering Campaign; \$2,000.00 for Class of 1932 Presidents Fund; and \$2,000.00 for College of Engineering Special Fund.
- \$ 8,976.00 Ohio Federation of Federal Land Bank Association, Bellefontaine, Ohio, for Cooperative Business.
- \$ 8,648.28 Maurice Neidigh, State College, Pennsylvania, for Neidigh Scholarship in Veterinary Medicine.
- \$ 8,587.50 Wayne English, Washington, D. C., for Presidents Fund.
- \$ 8,475.00 Cyril Porthouse, Kent, Ohio, for Porthouse Fund.
- \$ 8,294.57 Brakeman Scholar, Middletown, Ohio--\$7,294.57 for Harry and Ethel Brakeman Memorial Scholarship Fund and \$1,000.00 for Harry and Ethel Brakeman Lectureship Fund.
- \$ 8,000.00 Gannett News Foundation, Rochester, New York, for Journalism Director's Special Fund.
- \$ 7,750.00 Jimmie Huitt, Richmond, Virginia, for Jimmie Huitt Fund.
- \$ 7,500.00 Hoffmann-LaRoche, Nutley, New Jersey, for Endocrine - Tumor Marker CEA Research Fund.
- \$ 7,500.00 Edgar W. Ingram Foundation, Columbus, Ohio--\$3,000.00 for Edgar W. Ingram Foundation; \$3,000.00 for College of Administrative Science; and \$1,500.00 for Edgar W. Ingram Foundation Scholarship.
- \$ 7,500.00 Jobs for America's Graduates, Inc., Washington, D. C., for Center for Human Resource Research.
- \$ 7,500.00 Pennsylvania Power and Light, Allentown, Pennsylvania, for Mechanical Engineering Coal Combustion Laboratory Fund.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or more (contd)

- \$ 7,500.00 Phillips Petroleum Foundation, Bartlesville, Oklahoma, for Mechanical Engineering Coal Combustion Laboratory Fund.
- \$ 7,200.00 Nationwide Insurance, Columbus, Ohio, for Graduate Industrial Organizational Students Fellowship.
- \$ 7,000.00 Marion College Foundation, Marion, Ohio, for Marion Campus Scholarship Fund.
- \$ 6,951.00 Chemical Abstracts Service, Columbus, Ohio, for WOSU Support Fund.
- \$ 6,740.00 Joseph Bitonte, Columbus, Ohio--\$6,700.00 for Operation Eye Research and \$40.00 for Student Athlete Grant-in-Aid.
- \$ 6,583.06 Melvin Moffitt, San Antonio, Texas, for Melvin E. Moffitt Memorial.
- \$ 6,509.00 William Buschman, Columbus, Ohio--\$2,500.00 for Veterinary Medicine - Education and Research; \$2,500.00 for Geology Support Fund; \$1,500.00 for Cheerleaders Support Fund; and \$9.00 for Student Athlete Grant-in-Aid.
- \$ 6,500.00 Gwendolyn Buschman, Columbus, Ohio--\$2,500.00 for Geology Support Fund; \$2,500.00 for Veterinary Medicine - Education and Research Fund; and \$1,500.00 for Cheerleaders Support Fund.
- \$ 6,325.99 University Renal Group, Columbus, Ohio--\$4,467.99 for Renal Disease Research Fund and \$1,858.00 for University Renal Group Research Fund.
- \$ 6,013.00 Huntington National Bank, Columbus, Ohio, for WOSU Support Fund.
- \$ 6,000.00 AM Cyanamid Company, Wayne, New Jersey, for Vascular Surgery Development Fund.
- \$ 6,000.00 Chevron, USA, Inc., San Francisco, California--\$5,000.00 for Chevron Graduate Study and \$1,000.00 for Geology Support Fund.
- \$ 6,000.00 Clippard Instrument Lab Industries, Cincinnati, Ohio, for Fluid Power Fund.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or more (contd)

- \$ 6,000.00 Dow Chemical Company Foundation, Midland, Michigan, for Dow Chemical Company Scholarship and Fellowship Fund in Chemical Engineering.
- \$ 6,000.00 Optom Educators, Inc., Columbus, Ohio, for Glenn Fry Professorship.
- \$ 5,513.75 William Junk, Washington Court House, Ohio, for William M. and Frances Smith Junk Endowed Fund.
- \$ 5,500.00 Amoco Foundation, Inc., Chicago, Illinois--\$1,500.00 for Julie Anne Klein Award in Food Science and Nutrition; \$1,500.00 for Department of Chemical Engineering Support Fund; \$1,500.00 for Department of Mechanical Engineering Support Fund; and \$1,000.00 for College of Law Advancement Fund.
- \$ 5,475.00 Barbara Racey, Worthington, Ohio, for Oral Surgery Support Fund.
- \$ 5,433.56 Eye Physicians and Surgeons, Columbus, Ohio, for Ophthalmology Teaching Fund.
- \$ 5,147.01 Josef Knull, Columbus, Ohio, for Dorothy J. and Josef Knull Fund.
- \$ 5,023.30 Susan Benes, Columbus, Ohio, for Ophthalmology Teaching Fund.
- \$ 5,015.00 June Battles, Columbus, Ohio, for Torrence Makley Fund.
- \$ 5,010.00 Ray Groves, Cleveland, Ohio--\$2,000.00 for College of Administrative Science; \$2,000.00 for Accounting - Special Fund; and \$1,010.00 for Student Athlete Grant-in-Aid.
- \$ 5,000.00 Helen Allison, Columbus, Ohio, for Dr. Floyd M. Beman Fund.
- \$ 5,000.00 Campbell Soup Fund, Davis, California, for Chair in Food Industries.
- \$ 5,000.00 Ernst & Whinney Foundation, Cleveland, Ohio, for Ernst & Whinney Conference on Accounting Education.
- \$ 5,000.00 William Fink, Prescott, Arizona, for W. H. Fink Prize Fund.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or more (contd)**

- \$ 5,000.00 Ford Motor Company, Dearborn, Michigan--\$2,500.00 for Affirmative Action Fund; \$1,500.00 for Women in Engineering Scholarship Fund; and \$1,000.00 for Women Engineers in Engineering Administration.
- \$ 5,000.00 Hannon Company, Canton, Ohio, for Equine Embryo Research - Threlfall.
- \$ 5,000.00 Helen Hayes, Portland, Ohio, for Operation Eye Research.
- \$ 5,000.00 Jack Hendershot, Findlay, Ohio, for Torrence Makley Fund.
- \$ 5,000.00 Stanley Joehlin, Curtice, Ohio, for Stanley Joehlin Award in Agricultural Engineering.
- \$ 5,000.00 Kali-Duphar Labs, Columbus, Ohio, for Kali-Duphar - Witiak.
- \$ 5,000.00 Sherry Levin, Cincinnati, Ohio, for Torrence Makley Fund.
- \$ 5,000.00 Bert McClanahan, Columbus, Ohio, for Student Athlete Grant-in-Aid.
- \$ 5,000.00 McDonald Ohio, Westerville, Ohio, for Ohio 4-H Foundation Support Fund.
- \$ 5,000.00 OSU Oncology Immunology Lab, Columbus, Ohio, for Cancer Research Fund - Dr. Minton.
- \$ 5,000.00 Ross Labs, Columbus, Ohio, for Human Nutrition and Food Management Special Projects Fund.
- \$ 5,000.00 M. Speck, Youngstown, Ohio, for Drs. M. Henry and Myron E. Speck Fund.

**Gift-in-Kind**

- \$ 77,703.00 Ervin Nutter, Xenia, Ohio, 4-H Camp Clifton Health Center.



April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Report - January 1983

Gifts of \$5,000 or more

\$47,192.00	Ohio Seed Improvement, Dublin, Ohio--\$23,646.00 for Soybean Research and \$23,546.00 for Wheat Development.
\$35,000.00	Bremer Foundation, Youngstown, Ohio, for Bremer Foundation.
\$27,150.00	Anna Roessler Trust, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.
\$20,000.00	Kellogg's, Battle Creek, Michigan, for Special NC-151 Fund.
\$17,500.00	WTVN-AM Radio, Columbus, Ohio, for Center for Visual Arts.
\$16,290.08	Retinal Consultants, Columbus, Ohio--\$14,448.79 for Retina Research Fund and \$1,841.29 for Ophthalmology Photography Fund.
\$15,400.00	Seward Schooler, Coshocton, Ohio, for Reese-Schooler Fund.
\$11,302.03	Carl Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.
\$10,500.00	Merck and Company, Inc., Rahway, New Jersey--\$7,000.00 for Infectious Disease Research Fund and \$3,500.00 for Veterinary Pathobiology Research and Development Fund.
\$10,000.00	M. Speck, Youngstown, Ohio, for M. Henry and Myron E. Speck Fund.
\$ 8,224.00	Bell Laboratories, Murray Hill, New Jersey, for Electrical Engineering Chairman's Discretionary Fund.
\$ 6,000.00	Central Ohio Center for Economic Education, Columbus, Ohio, for Economics Education Fund.
\$ 5,330.42	Robert Sessions, Columbus, Ohio, for Ohio Student Loan Fund.
\$ 5,000.00	Corn Refiners Association, Inc., Washington, D. C., for Special NC-151 Fund.
\$ 5,000.00	Reynolds Industries, Inc., Winston-Salem, North Carolina, for College of Agriculture.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds**

**Warner and Lora Pomerene Faculty Enhancement Fund**

The Warner and Lora Pomerene Faculty Enhancement Fund was established April 1, 1983, by the Board of Trustees of The Ohio State University through a bequest to The Ohio State University by the late Warner and Lora Pomerene.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to attract, award, and retain outstanding teachers in the College of Agriculture and Home Economics. Distribution of these funds will be made by the Associate Dean of the College in charge of Resident Instruction, on the approval of the Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations of the appropriate administrative official of the University, who is then directly responsible for agricultural resident instruction.

**The J. Parker and Kathryn Webb Dinius Fellowship Fund**

The J. Parker and Kathryn Webb Dinius Fellowship Fund was established April 1, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from J. Parker (K-Com. '26) and Kathryn Webb Dinius (B.S.Ed. '25) of Findlay, Ohio.

All gifts are to be invested in the University's Permanent Endowment under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide fellowship funds for graduate or professional level students at The Ohio State University who have earned a varsity sports letter at The Ohio State University during undergraduate years, with preference given to football players. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids, in collaboration with the appropriate officials responsible for graduate school fellowships.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference given to recommendations from the appropriate administrative official of the University who is then directly responsible for the University athletic program.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Chicago Corporation Fund**

The Chicago Corporation Fund was established April 1, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The Chicago Corporation, Chicago, Illinois, and W. Peter Williams, Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used at the discretion of the Dean of the College of Administrative Science to enrich and support academic programs of the College.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined to be the most beneficial to the College of Administrative Science.

**William A. Schoonover - Trane Scholarship**

The William A. Schoonover - Trane Scholarship was established April 1, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family, friends, and associates of William A. Schoonover, B.S. Industrial Systems Engineering, 1946.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships to a male undergraduate student pursuing a degree in Engineering. The student(s) should be of high moral character with demonstrated financial need and proven academic ability. The scholarship should be awarded to a junior or senior with preference given to previous recipients. The selection of the recipient is to be made upon the recommendation of the Dean, College of Engineering.

Should the need for these scholarships and fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for engineering education.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Metropolitan Washington, D. C., Alumni Scholarship Fund**

The Metropolitan Washington, D. C., Alumni Scholarship Fund was established April 1, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni and friends of the Metropolitan Washington, D. C. area.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate students from the Metropolitan Washington, D. C. area enrolled in The Ohio State University, with preference given to students who are in the upper twenty-five percentile of a national test, such as the ACT, SAT, etc. The selection of the recipient is to be made in accordance with the recommendation of a selection committee from The Ohio State University Alumni Club of Washington, D. C. in conjunction with the University Scholarship Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships and student financial aids.

**The Department of Family Relations and  
Human Development Endowed Fund**

The Department of Family Relations and Human Development Endowed Fund was established April 1, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni and friends of the Department of Family Relations and Human Development.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide support for special activities and projects of the Department of Family Relations and Human Development in the School of Home Economics. Funds will be allocated upon the recommendation of the chairman of the Department of Family Relations and Human Development.

April 1, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Establishment of Named Funds (contd)

The Department of Family Relations and  
Human Development Endowed Fund (contd)

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for the School of Home Economics.

The Ellen Gerlat Memorial Scholarship Fund in Veterinary Medicine

The Ellen Gerlat Memorial Scholarship Fund in Veterinary Medicine was established April 1, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund in loving memory of Ellen Gerlat, first-year student in the College of Veterinary Medicine, from her parents, Mr. and Mrs. Norman Gerlat, and from other family and friends.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students enrolled in the College of Veterinary Medicine who best exemplify the academic excellence and personal leadership which Ellen possessed, as evidenced by the fact that she graduated Phi Beta Kappa, summa cum laude from Ohio State University in 1982 and carried a 4.00 accumulative average during her first year enrolled in the College of Veterinary Medicine. The student(s) should: (1) be residents of Ohio; (2) have done the majority of their undergraduate work at The Ohio State University; and (3) be a first-year student in the College of Veterinary Medicine.

Only one award will be given until such time as the interest generates 150 percent of a quarter's tuition. Once the interest yields more than 150 percent of one quarter's tuition, then the funds would be divided equally between two recipients. No one award will represent more than 150 percent of one quarter's tuition. The selection of the recipients is to be made by the College Scholarship Committee after the students' first quarter in the College and will be approved by the Dean of the College of Veterinary Medicine.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medical education.

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April 1, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS**

Resolution No. 83-113

*Synopsis: Approval of plans and specifications for the following projects is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**PARKING LOT MAINTENANCE 1983 - EMULSION SEAL COAT**

Project: To increase the longevity of newly constructed parking lots, seal-coating will be applied to the following lots:  
Tuttle Park Lots 1 and 2 East  
Tuttle Park Lots 1, 2, 3, and 4 West  
Lord Hall Lot  
Dental Lot  
Water Resources Lot  
Fawcett Center North and South  
French Field House North and South  
Print Shop Lot

Funding: Traffic and Parking - Account 885071

Estimated Project Cost: \$69,274.00

**PARKING LOT MAINTENANCE 1983 - PATCH, REPAIR AND SLURRY SEAL**

Project: Patching, crack sealing, and slurry seal, due to deterioration of four heavily used parking lots located at the new Vocational Technical Education Building, Vivian Hall, Animal Science Building, and Howlett Hall.

Funding: Traffic and Parking - Account 885071

Estimated Project Cost: \$38,006.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory

April 1, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Berry, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-114

*Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

**AGRICULTURAL ADMINISTRATION BUILDING REMODELING**

Description: This project will improve the quality of space assigned to certain units and relieve overcrowded conditions in the building.

General Contract

Date Received:	February 7, 1983
No. of Bids:	5
Low Bid:	\$115,440.00*
High Bid:	\$165,494.00*
Estimate of Cost:	\$151,637.00*
Awarded to:	Baranda Construction Co.

\* Recommended alternates reflected in these figures.

April 1, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**AGRICULTURAL ADMINISTRATION BUILDING REMODELING (contd)**

**HVAC Contract**

Date Received: February 7, 1983  
No. of Bids: 2  
Low Bid: \$116,379.00\*  
High Bid: \$120,900.00\*  
Estimate of Cost: \$132,336.00\*  
Awarded to: Edmonds Mechanical Contractors

**Electrical Contract**

Date Received: February 7, 1983  
No. of Bids: 2  
Low Bid: \$ 77,131.00\*  
High Bid: \$ 91,873.00\*  
Estimate of Cost: \$ 94,000.00\*  
Awarded to: J & L Electric Co.

Total All Contracts: \$308,950.00

Total Contingency Allowance: \$ 21,195.11

Total Project Cost: \$370,500.00

Funding: Amended Substitute H.B. 552 (U & R)

\* Recommended alternates reflected in these figures.

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the project listed above are hereby approved.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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April 1, 1983 meeting, Board of Trustees

**EASEMENT  
COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY**

Resolution No. 83-115

*Synopsis: Renewal of electrical transmission line easement at Lane Avenue and North Star Road is proposed.*

WHEREAS in 1968 the University granted to the Columbus and Southern Ohio Electric Company an easement 1160 feet in length and 15 feet wide for the purpose of servicing University property at 2470 North Star Road; and

WHEREAS this easement expires on July 29, 1983 and the University has received a request from C&SOE to renew the easement for a period of fifteen years upon the same terms and conditions as the original easement; and

WHEREAS the electrical transmission lines for which the easement is requested serve only University facilities; and

WHEREAS the appropriate University agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easement.

Upon motion of Mr. Berry, seconded by Dr. Jacob, the foregoing resolution was adopted by the Board of Trustees by unanimous roll call vote.

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**DENTAL CARE GROUP INSURANCE PROGRAM**

Resolution No. 83-116

*Synopsis: Renewal dental insurance contract is recommended for award.*

WHEREAS the Board of Trustees on February 1, 1980 designated Ohio Medical Indemnity Mutual Corporation as the provider for the faculty/staff group dental insurance program for a three-year period, effective May 1, 1980; and

WHEREAS it has been deemed appropriate to review the program and to solicit new quotations for continuing the coverage subsequent to the April 30, 1983 expiration date of the current three-year contract; and

April 1, 1983 meeting, Board of Trustees

**DENTAL CARE GROUP INSURANCE PROGRAM (contd)**

WHEREAS quotations were requested from twenty-three (23) insurance firms and received from ten (10) providers; and

WHEREAS the appropriate University offices have made a comparative analysis of the program elements, rate quotations, and provider delivery capabilities, and based on this effort a recommendation for renewal has been formulated:

NOW THEREFORE

BE IT RESOLVED, That, contingent upon resolution of the issues relating to provider offices to facilitate the dual-choice plan, Ohio Medical Indemnity Mutual Corporation be designated as the carrier for the group dental insurance program at a monthly premium of \$7.63 per faculty/staff member, or an estimated annual premium of \$1,161,588. Coverage will be available for dependents on an optional basis at a monthly premium of \$7.63 for one dependent and \$18.41 for two or more dependents. Fifty percent of the premium for dependent coverage will be paid by the University (estimated annual cost, \$535,926); the balance will be paid by participating faculty/staff members via payroll deduction; and

BE IT FURTHER RESOLVED, That the contract for coverage be awarded for a 26-month period effective May 1, 1983, with the understanding that this contract may be subject to renegotiation if the issues related to the dual-choice plan cannot be satisfactorily resolved on or before October 1, 1983.

Upon motion of Mr. Immke, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution with five affirmative votes cast by Messrs. Hilliker, Havens, Immke, Berry and Mrs. Bowser and two abstentions by Mr. Smith and Dr. Jacob.

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**FINANCING CERTAIN AUXILIARY FACILITIES**

Resolution No. 83-117

*Synopsis: Authorization to determine the method of financing certain auxiliary facilities is recommended.*

WHEREAS, the Board of Trustees (the "Board") of The Ohio State University (the "University") has adopted on this date Resolution No. 83-118 providing for the issuance and sale of not to exceed \$18,500,000.00 of The Ohio State University General Receipts Bond Anticipation Notes, Series 1983 (the "Series 1983 Notes"), to finance certain Auxiliary Facilities, therein defined; and

WHEREAS, the Board has adopted on this date Resolution No. 83-119 providing for the authorization, issuance and sale of not to exceed \$18,500,000.00 of The Ohio State University General Receipts Bonds, Series 1983 (the "Series 1983 Bonds"), to finance certain Auxiliary Facilities, therein defined; and

April 1, 1983 meeting, Board of Trustees

**FINANCING CERTAIN AUXILIARY FACILITIES (contd)**

WHEREAS, the Board does not intend to issue both the Series 1983 Notes and the Series 1983 Bonds, but rather one or the other; and

WHEREAS, because of uncertain market conditions affecting the sale of debt obligations of the University the Board desires to have the flexibility to take advantage in its method of financing its Auxiliary Facilities of the most favorable market conditions prevailing at the time of such financing;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE OHIO STATE UNIVERSITY, AS FOLLOWS:

Section 1. The Fiscal Officer (as defined in the resolutions mentioned in the Preambles hereof) is hereby authorized and directed to determine whether the University will issue General Receipts Bond Anticipation Notes or General Receipts Bonds for the purpose of financing certain Auxiliary Facilities, giving due consideration to such factors as interest rates and other market factors connected with the sale of debt obligations of the University, and the time of need of note or bond proceeds.

Section 2. It is found and determined that all formal actions of this Board and of any of its committees concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board, and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the foregoing resolution was adopted by the Board of Trustees by unanimous roll call vote.

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**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BOND ANTICIPATION  
NOTES, SERIES 1983, OF THE OHIO STATE UNIVERSITY**

Resolution No. 83-118

*Synopsis: Authorization, issuance and sale of not to exceed \$18,500,000.00 General Receipts Bond Anticipation Notes, Series 1983, of The Ohio State University.*

WHEREAS, The Ohio State University (herein called the "University"), a state university of the State of Ohio created and existing under Chapter 3335 of the Ohio Revised Code, by resolution adopted by its Board of Trustees (herein called the "Board") May 7, 1971 (herein called the "General Bond Resolution") and by a Trust Agreement dated as of June 1, 1971 (herein called the "Trust Agreement"), comprised in part of the General Bond Resolution, has provided for the issuance from time to time of General Receipts Bonds of the University, with each such issue to be authorized by a Series Resolution adopted by the Board pursuant thereto; and

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BOND ANTICIPATION  
NOTES, SERIES 1983, OF THE OHIO STATE UNIVERSITY (contd)**

WHEREAS, the General Bond Resolution was adopted and the Trust Agreement was authorized by the Board pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code, enacted by the General Assembly of Ohio under authority of the Constitution of Ohio, particularly Section 2i of Article VIII thereof, which authorize the University to issue its Bonds to pay costs of certain capital facilities, defined as "auxiliary facilities" in Section 3345.12 of the Ohio Revised Code and called "University Facilities" in the General Bond Resolution, and to refund, fund or retire such Bonds or other obligations previously issued for such purpose; and

WHEREAS, there is presently outstanding \$2,720,000.00 principal amount of General Receipts Bonds, Series 1971, and \$8,550,000.00 principal amount of General Receipts Bonds, Series 1981, heretofore issued and delivered pursuant to the Trust Agreement; and

WHEREAS, the University has previously determined, and does hereby confirm, that it is necessary to construct a coal fired boiler with required air pollution equipment; to extend existing steam lines to service the west dormitory complex, the midwest campus, and hospital facilities; and to refurbish the existing steam lines and power plant and herein called the "Project," the cost of which Project is estimated to be not less than \$18,500,000.00;

WHEREAS, it is necessary and desirable to issue bond anticipation notes in the principal amount not to exceed \$18,500,000.00 for the purpose of the Project, which notes shall be issued in anticipation of the issuance of a series of General Receipts Bonds of the University, under the Trust Agreement, as supplemented.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE OHIO STATE UNIVERSITY, AS FOLLOWS:

Section 1. DEFINITIONS AND INTERPRETATIONS. All words and terms defined in Section 1 of the General Bond Resolution and all interpretations therein provided shall have the same meanings, respectively, and be subject to the same interpretations as therein provided where used in this Resolution, unless the context or use clearly indicates another or different meaning or intent, except that this Resolution, together with the Certificate of Award (the "Certificate of Award") provided for in Section 4 hereof, is sometimes herein called and may be known as the "Resolution," the Notes authorized by this Resolution are referred to herein as the "Notes," and the terms "hereof," "hereby," "hereto," "herein," and "hereunder," and similar terms, mean this Resolution. As used in this Resolution, "Project" shall have the meaning provided for such term in the preambles hereto.

Section 2. AUTHORIZATION, TERMS AND PURPOSE OF THE NOTES. That in order to obtain funds for the Project, the Board hereby determines that pursuant to the laws of the State of Ohio, and particularly Chapter 3345 and Sections 3345.11 and 3345.12 of the Ohio Revised Code, and the General Bond Resolution, to the extent applicable, there shall be issued its negotiable notes in anticipation of the issuance of General Receipts Bonds of the University, in the principal amount not to exceed \$18,500,000.00. The notes shall be

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BOND ANTICIPATION  
NOTES, SERIES 1983, OF THE OHIO STATE UNIVERSITY (contd)**

dated and shall mature on the dates determined by the Fiscal Officer, of the denomination of \$5,000 each, or any integral multiple thereof, numbered from 1 upwards, and shall not be subject to call for redemption prior to maturity, unless the Fiscal Officer determines that the Notes shall be callable. The Notes shall bear interest at the rate or rates approved by the Fiscal Officer, payable at maturity of the Notes. Principal of and interest on the Notes shall be payable upon presentation at maturity in lawful money of the United States of America at the principal office of The Huntington National Bank of Columbus, Columbus, Ohio, or such other bank as determined by the Fiscal Officer (herein the "Paying Agent"). The Notes shall be bearer obligations, issued without coupons. The Notes may be issued in installments with a common maturity date.

Section 3. DESIGNATION AND EXECUTION. The Notes shall be designated "General Receipts Bond Anticipation Notes, Series 1983." They shall be negotiable instruments and shall express upon their face the purpose for which they are issued and that they are issued pursuant to general laws of Ohio, particularly Chapter 3345 of the Ohio Revised Code and to this Resolution. The Notes shall be executed in the same manner provided for obligations issued under the General Bond Resolution.

Section 4. SALE OF NOTES. The Notes shall be sold to The Ohio Company (the "Original Purchaser"), Columbus, Ohio, at such terms (including sale at either par or a discount), interest rate or rates and conditions as accepted by the Fiscal Officer as provided in this Section, provided that the net interest rate shall not exceed 10-1/2% per annum. The Fiscal Officer may also cause to be prepared and printed and, together with the Chairman of this Board, shall sign an official statement of the University setting forth appropriate material information pertaining to the University and to the Notes, in sufficient number for distribution by the Original Purchaser.

The Fiscal Officer shall establish the terms, conditions and interest rate or rates for the Notes by a certificate of the Fiscal Officer, herein called the "Certificate of Award," which shall identify in this Resolution, the interest rate or rates, and state such other data or provisions as the Fiscal Officer determines consistent with this Resolution.

Section 5. APPLICATION OF PROCEEDS OF NOTES. The proceeds from the sale of the Notes shall be used for the purposes of the Project. Pending such use, the proceeds of sale of the Notes shall be invested, subject to the limitations imposed by the Internal Revenue Code of 1954 and Regulations promulgated or proposed thereunder, and Section 9 of this Resolution, in obligations approved by the Fiscal Officer.

Section 6. PLEDGE OF GENERAL RECEIPTS. Principal of and interest on the Notes, together with the principal of and interest on any other notes that may hereafter be issued by the University on a parity therewith, shall be equally and ratably payable from, and secured by a pledge of and a lien on, the "General Receipts" of the University as defined in Section 1 of the General Bond Resolution, but subject to the existing pledges thereof in favor of the series bonds issued pursuant to the General Bond Resolution, and the principal of and interest on the Notes shall also be equally and ratably payable from, and secured by a pledge of

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BOND ANTICIPATION  
NOTES, SERIES 1983, OF THE OHIO STATE UNIVERSITY (contd)**

and lien on, the proceeds of the sale of General Receipts Bonds or notes issued pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code or other authorizing provisions of law to refund or retire the Notes; provided that neither the State of Ohio nor the University or its Board of Trustees shall be obligated to pay the principal of or interest on the Notes from any other funds or source, nor shall the Notes be a claim upon or lien against any property of the State of Ohio or any other property of or under the control of the University, and the Notes, as to both principal and interest, are not debts or bonded indebtedness of the State of Ohio, are not general obligations of the State or the University, the full faith and credit thereof are not pledged thereto, and the owners of the Notes shall have no right to have any excises or taxes levied by the General Assembly of the State of Ohio for the payment of such principal or interest.

In consideration of the loan evidenced by the Notes, the University covenants and agrees that it will do all things necessary to effect the issuance and delivery, prior to the maturity of the Notes, of General Receipts Bonds or notes for the refunding of the Notes, pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code, or other authorizing provisions of law, in such principal amount as shall be necessary together with other lawfully available funds, if any, to pay the principal of and interest on the Notes; that it will do all things necessary to sell such bonds or notes at the time provided above and will accept such price and such interest rate or rates as shall be necessary in order to effect such sale; and that it shall apply the proceeds thereof to the extent necessary to make full payment of the principal of and interest on the Notes; and such obligations are established as duties specifically enjoined by law upon the University and its officers, and resulting from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Ohio Revised Code.

In connection with the aforesaid covenant, it is the present intention of the University that such bonds as may be issued to retire the Notes will be issued as General Receipts Bonds pursuant to the General Bond Resolution.

**Section 7. RELEASE OF LIEN.** The foregoing pledges in favor of the Notes shall be released upon the deposit by the University, with the Paying Agent, of cash or direct obligations of the United States of America, or a combination thereof (which United States government securities mature on or before the maturity date of the Notes) in an amount sufficient fully to discharge the principal and interest requirements of the Notes at and prior to maturity.

**Section 8. PAYMENT OF NOTES.** In the event any of the Notes shall not be presented for payment when the principal thereof becomes due, if moneys for the purpose of paying, and sufficient to pay, such note shall have been made available to the Paying Agent therefor, it shall be the duty of the Paying Agent to hold such moneys in trust, without liability to the University or the owner of the note for interest thereon, for the benefit of such owner, who shall, subject to the provisions of this Section, thereafter be restricted exclusively to such moneys for any claim of whatever nature on his part under this Resolution or on, or with respect to, said note. Any moneys which shall be so held by the Paying Agent, and which remain unclaimed by the owner of the note not presented for payment, for a period of three

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BOND ANTICIPATION  
NOTES, SERIES 1983, OF THE OHIO STATE UNIVERSITY (contd)**

years after the date on which such note shall have become payable as provided above, shall, upon request in writing by the University, be paid to the University, and thereafter the owner of such note shall look only to the University for payment and then only to the amounts, or to the extent of amounts, so received by the University without any interest thereon, and the Paying Agent shall have no further responsibility with respect to such moneys.

The moneys paid to the University pursuant to this Section 8 shall be credited by it to a special fund of the University, as a trust fund separate and apart from other funds of the University, to be maintained in an account or accounts with a bank or banks that are members of the Federal Deposit Insurance Corporation. The University shall keep a record of the amounts so deposited in said special fund, and moneys in such fund shall be applied to payment of principal of the note or notes with respect to which such money is transferred to the University. Moneys in such special fund unclaimed for fifteen years after such moneys are paid to the University shall become the absolute property of the University free from all claims of any kind.

Section 9. USE OF PROCEEDS. The University hereby covenants that it will restrict the use of the proceeds of the Notes in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of the delivery of and payment for such Notes, so that the Notes will not constitute arbitrage bonds under Section 103(c) of the Internal Revenue Code and the applicable income tax regulations under that Section. The Fiscal Officer or any other officer, including the Secretary of the Board, having responsibility for issuing the Notes is authorized and directed, alone or in conjunction with any of the foregoing or with any other officer or employee of or consultant to the University, to give an appropriate certificate of the University, for inclusion in the transcript of proceedings for the Notes, setting forth the reasonable expectations of the University on the date of delivery of and payment for the Notes regarding the amount and use of the proceeds of the Notes and the facts, estimates and circumstances on which they are based, pursuant to said Section 103(c) and the applicable income tax regulations thereunder. The Fiscal Officer shall furnish to the Original Purchaser a true transcript of proceedings, certified by him, of all proceedings had with reference to the issuance of the Notes along with such information from the records as is necessary to determine the regularity and validity of the issuance of said Notes.

Section 10. CONTRACT WITH NOTE HOLDERS. This Resolution and the pledges and covenants of the Board of Trustees made herein shall constitute a contract between the University and the owners of the Notes, and no alteration or variation of any of the provisions of this Resolution shall be made so long as any of said Notes remain outstanding and unpaid, except with the written consent of all of such owners.

Section 11. AUTHORITY OF OFFICERS. The officers of the University and of this Board are hereby authorized to take any and all action necessary or proper to comply with the terms of this resolution and to effect timely delivery of the Notes, and to execute all necessary and appropriate certifications with respect to the Notes and the disposition of the proceeds of sale thereof.

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BOND ANTICIPATION  
NOTES, SERIES 1983, OF THE OHIO STATE UNIVERSITY (contd)**

Section 12. REQUIRED APPROVALS. This Board hereby directs the Fiscal Officer to defer the issuance of the Series 1983 Bonds until the University receives the appropriate approvals from the Ohio Board of Regents and from the Environmental Protection Agency, as well as any additional approvals that the Fiscal Officer deems to be required prior to the delivery of the Series 1983 Bonds.

Section 13. OPEN MEETING. This Board hereby finds and determines that all formal actions relative to the passage of this resolution were taken in an open meeting of this Board, and that all deliberations of this Board and of its committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BONDS, SERIES 1983,  
OF THE OHIO STATE UNIVERSITY**

Resolution No. 83-119

*Synopsis: Authorization, issuance and sale of not to exceed \$18,500,000.00 General Receipts Bonds, Series 1983, of The Ohio State University, pursuant to Trust Agreement dated as of June 1, 1971.*

WHEREAS, The Ohio State University (herein called the "University"), a state university of the State of Ohio created and existing under Chapter 3335 of the Ohio Revised Code, by resolution adopted by its Board of Trustees (herein called the "Board") May 7, 1971 (herein called the "General Bond Resolution") and by a Trust Agreement dated as of June 1, 1971 (herein called the "Trust Agreement"), comprised in part of the General Bond Resolution, has provided for the issuance from time to time of General Receipts Bonds of the University, with each such issue to be authorized by a Series Resolution adopted by the Board pursuant thereto; and

WHEREAS, the General Bond Resolution was adopted and the Trust Agreement was authorized by the Board pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code enacted by the General Assembly of Ohio under authority of the Constitution of Ohio, particularly Section 2i of Article VIII thereof, which authorize the University to issue its Bonds to pay costs of certain capital facilities, defined as "auxiliary facilities" in Section 3345.12 of the Ohio Revised Code and called "University Facilities" in the General Bond Resolution and in this Series 1983 Resolution, and to refund, fund or retire such Bonds or other obligations previously issued for such purpose; and



April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BONDS, SERIES 1983,  
OF THE OHIO STATE UNIVERSITY**

WHEREAS, there is presently outstanding \$2,720,000.00 principal amount of General Receipts Bonds, Series 1971, and \$8,550,000.00 principal amount of General Receipts Bonds, Series 1981, heretofore issued and delivered pursuant to the Trust Agreement; and

WHEREAS, the University has previously determined, and does hereby confirm, that it is necessary to construct a coal fired boiler with required air pollution equipment; to extend existing steam lines to service the west dormitory complex, the midwest campus, and hospital facilities; and to refurbish the existing steam lines and power plant and herein called the "Project," the cost of which Project is estimated to be not less than \$18,500,000.00; and

WHEREAS, the University previously determined, and does hereby confirm, to borrow funds for the permanent financing of the costs of the Project, and for such purpose to issue its General Receipts Bonds at such time and in such principal amount as may be necessary for such purpose; and

WHEREAS, pursuant to the foregoing, the University has determined to issue, as the third issue of Bonds under the Trust Agreement, not to exceed \$18,500,000.00 principal amount of General Receipts Bonds, to be designated General Receipts Bonds, Series 1983, for the purposes of the Project, and desires to provide therefor by this Resolution of its Board;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE OHIO STATE UNIVERSITY, AS FOLLOWS:

Section 1. DEFINITIONS AND INTERPRETATIONS. All words and terms defined in Section 1 of the General Bond Resolution and all interpretations therein provided shall have the same meanings, respectively, and be subject to the same interpretations as therein provided where used in this Resolution, unless the context or use clearly indicates another or different meaning or intent, except that this Resolution, together with the Certificate of Award (the "Certificate of Award") provided for in Section 5 hereof, is sometimes herein called and may be known as the "Series 1983 Resolution," the Bonds authorized by this Resolution are referred to herein and in the Third Supplemental Trust Agreement hereby authorized as the "Series 1983 Bonds," and the terms "hereof," "hereby," "hereto," "herein," and "hereunder," and similar terms, mean this Resolution. As used in this Resolution, "Project" shall have the meaning provided for such terms in the preambles hereto.

Section 2. AUTHORITY. This Resolution is adopted pursuant to the General Bond Resolution, the Trust Agreement, and the Act.

Section 3. AUTHORIZATION, DESIGNATION AND PURPOSE OF SERIES 1983 BONDS. It is hereby declared to be necessary to, and the University shall, issue, sell and deliver, as provided and authorized herein, not to exceed \$18,500,000.00 principal amount of General Receipts Bonds of the University which shall be designated "General Receipts Bonds, Series 1983," for the purpose of paying the costs of the University Facilities that comprise the Project. For such purpose, the proceeds from the sale of the Series 1983 Bonds shall be allocated, deposited and applied as provided in Section 6 hereof.

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BONDS, SERIES 1983,  
OF THE OHIO STATE UNIVERSITY (contd)**

**Section 4. TERMS AND PROVISIONS APPLICABLE TO THE SERIES 1983 BONDS.**

- (a) **FORM AND NUMBERING.** The Series 1983 Bonds shall be issued initially in the form of coupon Bonds registrable as to principal only or of fully registered Bonds as requested by the Original Purchaser thereof (subject to legal requirements), shall be exchangeable for Series 1983 Bonds in coupon form or fully registered form as provided in the Trust Agreement, and shall be numbered as determined by the Fiscal Officer.
- (b) **DENOMINATION AND DATES.** The Series 1983 Bonds in coupon form shall be in the denomination of \$5,000 each, and shall be dated as of June 1, 1983, or on such other date as set forth in the Certificate of Award. The Series 1983 Bonds in fully registered form shall be in the denomination of \$5,000 and any integral multiple thereof authorized by the Trust Agreement, and shall be dated as of the date of Series 1983 Bonds in coupon form if authenticated prior to the first interest payment date, and otherwise shall be dated as of the last interest payment date preceding the date of their authentication except that if authenticated on an interest payment date they shall be dated as of such date of authentication; provided that if at the time of authentication, interest thereon is in default, they shall be dated as of the date to which interest has been paid. Each Series 1983 Bond shall have only one principal maturity date, except for interim certificates or receipts which may be issued pending preparation of definitive Bonds.
- (c) **INTEREST.** The Series 1983 Bonds shall bear interest from their respective dates payable semiannually on June 1 and December 1, beginning December 1, 1983, at the respective rates per annum set forth in the Certificate of Award.
- (d) **MATURITIES.** The Series 1983 Bonds shall mature on December 1 in the years and in the principal amounts set forth in the Certificate of Award.
- (e) **REDEMPTION TERMS AND PRICES.** The Series 1983 Bonds may be issued subject to redemption at the option of the University prior to their stated maturities, in whole or in part, in accordance with the terms, conditions, redemption prices and on the dates set forth in the Certificate of Award. If less than all of the outstanding Series 1983 Bonds are called for redemption at one time, they shall be called in inverse order of the maturities of the Series 1983 Bonds outstanding; and if less than all of the outstanding Series 1983 Bonds of one maturity are to be called, the selection of such Series 1983 Bonds, or portions of fully registered Bonds, of such maturity to be called shall be made by lot in the manner provided in the Trust Agreement. Notice of call for redemption of Series 1983 Bonds shall be given in the manner provided in the Trust Agreement.

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BONDS, SERIES 1983,  
OF THE OHIO STATE UNIVERSITY (contd)**

- (f) **PLACE OF PAYMENT AND PAYING AGENTS.** The Bond service charges, including principal, interest and any redemption premium, on the Series 1983 Bonds in coupon form, other than principal of or any redemption premium on coupon bonds registered as to principal other than to bearer, shall be payable at the principal corporate trust office of the Trustee, or, at the option of the holder at the principal corporate trust office of the Chemical Bank, New York, New York. The principal of and any redemption premium on fully registered Series 1983 Bonds and of Series 1983 coupon bonds registered as to principal (except to bearer) shall be payable at the principal corporate trust office of the Trustee and the interest on fully registered Series 1983 Bonds shall be payable by check or draft, as provided in the Trust Agreement.
- (g) **EXECUTION.** The Series 1983 Bonds and the coupons pertaining thereto shall be executed in the manner provided in the General Bond Resolution.

**Section 5. SALE OF SERIES 1983 BONDS.** The Series 1983 Bonds shall be sold to The Ohio Company (the "Original Purchaser"), Columbus, Ohio, at such terms (including sale at either par or a discount), interest rate or rates and conditions as accepted by the Fiscal Officer as provided in this Section, provided that the net interest rate shall not exceed 10-1/2% per annum. The Fiscal Officer may also cause to be prepared and printed and, together with the Chairman of this Board, shall sign an official statement of the University setting forth appropriate material information pertaining to the University and to the Series 1983 Bonds, in sufficient number for distribution by the Original Purchaser.

The Fiscal Officer shall establish the terms, conditions and interest rate or rates for the Series 1983 Bonds by a certificate of the Fiscal Officer, herein called the "Certificate of Award," which shall identify in this Resolution and the Trust Agreement, the interest rate or rates, and state such other data or provisions as the Fiscal Officer determines consistent with this Resolution and the Trust Agreement. The Certificate of Award shall be incorporated in and form a part of the Third Supplemental Trust Agreement authorized by Section 9 hereof.

**Section 6. APPLICATION OF PROCEEDS OF SERIES 1983 BONDS.** All of the proceeds from the sale of the Series 1983 Bonds shall be received and receipted by the Fiscal Officer, and shall be allocated, deposited and applied as follows:

- (a) To the Bond Service Account in the General Receipts Bond Service Fund, the portion of such proceeds representing accrued interest and premium, if any; and
- (b) To the Construction Account the balance of such proceeds to be used for the Project, including all costs incidental thereto and the costs of issuing the Series 1983 Bonds. Moneys in the Construction Account shall be invested in Eligible Investments, as defined in Section 1 of the General Bond Resolution, maturing not later than the times when such moneys are required for

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
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the purposes of the Project. Any surplus in the Construction Fund not required for the Project shall be transferred to the Bond Service Reserve Account or to the Bond Service Account at the discretion of the Fiscal Officer.

Section 7. USE OF PROCEEDS. The University hereby covenants that it will restrict the use of the proceeds of the Series 1983 Bonds in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of the delivery of and payment for such Bonds, so that the Series 1983 Bonds will not constitute arbitrage bonds under Section 103(c) of the Internal Revenue Code and the applicable income tax regulations under that Section. The Fiscal Officer or any other officer, including the Secretary of the Board, having responsibility for issuing the Series 1983 Bonds is authorized and directed, alone or in conjunction with any of the foregoing or with any other officer or employee of or consultant to the University, to give an appropriate certificate of the University, for inclusion in the transcript of proceedings for the Series 1983 Bonds, setting forth the reasonable expectations of the University on the date of delivery of and payment for the Series 1983 Bonds regarding the amount and use of the proceeds of the Series 1983 Bonds and the facts, estimates and circumstances on which they are based, pursuant to said Section 103(c) and the applicable income tax regulations thereunder. The Fiscal Officer shall furnish to the Original Purchaser a true transcript of proceedings, certified by him, of all proceedings had with reference to the issuance of the Series 1983 Bonds along with such information from the records as is necessary to determine the regularity and validity of the issuance of said Bonds.

Section 8. FUNDING OF REQUIRED RESERVE. In accordance with and consistent with clause (2) (i) of Section 7 (b) of the General Bond Resolution, the portion of the Required Reserve necessitated by reason of the Series 1983 Bonds, based on the interest rates as set forth in the Certificate of Award, shall be funded as determined by the Fiscal Officer and may be funded from the proceeds of the Series 1983 Bonds, or as provided in the second paragraph of this Section 8, or a combination of such methods.

At the discretion of the Fiscal Officer, if required to fund the Required Reserve, at least five business days before each June 1 and December 1, commencing June 1, 1983, or as of the date of the delivery of the Series 1983 Bonds to the Original Purchaser, the University shall pay to the Trustee from the Bond Pledge Fund and, if necessary, from the proceeds of the Series 1983 Bonds or from any other General Receipts of the University, to the credit of the Bond Service Reserve Account, at least one-tenth of such portion of the Required Reserve necessitated by reason of the Series 1983 Bonds. Such payments to the Trustee shall, subject to clause (2) (iii) of Section 7 (b) of the General Bond Resolution, be made and continue at the times and in the amounts aforesaid until the aforesaid portion of the Required Reserve is fully funded.

Section 9. THIRD SUPPLEMENTAL TRUST AGREEMENT. The Chairman of the Board, the President of the University, the Secretary of the Board, and the Fiscal Officer, or any one or more of them, are authorized and directed to execute, acknowledge and deliver to the Trustee, in the name of and on behalf of the University, a Third Supplemental Trust

April 1, 1983 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF NOT TO EXCEED  
\$18,500,000.00 GENERAL RECEIPTS BONDS, SERIES 1983  
OF THE OHIO STATE UNIVERSITY**

Agreement pursuant to the Trust Agreement and in connection with the issuance of the Series 1983 Bonds, in the form approved by the officer or officers executing the same on behalf of the University.

Section 10. REQUIRED APPROVALS. This Board hereby directs the Fiscal Officer to defer the issuance of the Series 1983 Bonds until the University receives the appropriate approvals from the Ohio Board of Regents and from the Environmental Protection Agency, as well as any additional approvals that the Fiscal Officer deems to be required prior to the delivery of the Series 1983 Bonds.

Section 11. OPEN MEETING. It is found and determined that all formal actions of this Board and of any of its committees concerning and relating to the adoption of this resolution were adopted in an open meeting of this Board, and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

Mr. Havens commented concerning the handling of this financing as follows:

Mr. Chairman, this matter came before our committee this morning and we did mention in the committee and we would like to mention again today that under the direction of Ed Jennings, with Dick Jackson and other people participating, I think they did an outstanding job in presenting this to the Trustees. They showed great initiative and great judgment because I think this will save us \$100 million over the next twenty years. I think the staff administration should be greatly complimented, its good judgment, good initiative, and also a lot of hours and a lot of work to also the individual members of the Trustees. They visited each and every Trustee, went through the report, took hours to consume it and went through untotaled time. I just think that Ed Jennings and his staff should be thoroughly complimented on the way this was approached.

President Jennings:

Thank you, Mr. Havens. That should be noted that Ed Jennings had very little to do with it. It was Dick Jackson and Tom Smith's group that were the ones that went through that and I know they will appreciate your 'thank you' and your thanks and appreciation.

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April 1, 1983 meeting, Board of Trustees

**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-120

RESOLVED, That the report on the University's Investment Portfolio, dated March 18, 1983, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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**INTRODUCTION - DR. TZAGOURNIS**

President Jennings:

First of all we approve of the personnel actions and I'd like to note to the Board that Dr. Tzagournis is in the audience. Congratulations, Manny, on the the appointment as a Vice President.

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**JUNE COMMENCEMENT**

President Jennings:

I am also very, very pleased to inform you that Vice President George Bush will be the featured speaker at the 284th Commencement ceremony on Friday, June 10, in Ohio Stadium. I know all of you will join me in expressing our great pleasure and our thanks to the Vice President for agreeing to accept this commencement speech; I know I certainly will and I know you will look forward to his commencement address to our spring graduates.

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Thereupon the Board adjourned to meet Thursday, May 5, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 9:30 a.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND EIGHTY-NINTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 5, 1983

The Board of Trustees met at its regular monthly meeting on Thursday, May 5, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

\* \* \*

Minutes of the last meeting were approved.

\* \* \*



May 5, 1983 meeting, Board of Trustees

The Vice Chairman, Dr. Jacob, called the meeting of the Board of Trustees to order at 9:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: John D. Jacob, Vice Chairman, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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Chairman Smith reconvened the meeting as a committee of the whole at 11:00 a.m. and the following actions were taken.

**ELECTION OF OFFICERS  
BOARD OF TRUSTEES**

Resolution No. 83-121

Mr. Immke presented the following slate of officers:

WHEREAS pursuant to paragraph (B) of rule 3335-1-02 of the Administrative Code, the officers of the Board are to be elected at the May meeting to take office immediately following adjournment of the meeting (May 5, 1983) and shall hold their office through the May, 1984 meeting:

NOW THEREFORE

BE IT RESOLVED, That the following slate of officers for 1983-1984 be elected:

John D. Jacob, Chairman

D. James Hilliker, Vice Chairman

Madison H. Scott, Secretary

James L. Nichols, Treasurer

Upon motion of Mr. Galbreath, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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President Jennings called on Dr. Haenicke to review the amendments to the *Rules of the University Faculty* which are included in the agenda.

May 5, 1983 meeting, Board of Trustees

## AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY

Resolution No. 83-122

*Synopsis: Amendments to rules 3335-5-29, 3335-5-30, 3335-5-31, 3335-5-34, 3335-5-35, 3335-5-46, 3335-7-14, 3335-7-26, 3335-9-01, 3335-9-02, 3335-9-04, 3335-9-13, and 3335-9-15 of the Rules of the University Faculty are proposed.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the proposed changes in the *Rules of the University Faculty* were approved by the University Senate on April 16, 1983, as follows:

### AMENDED RULES

#### 3335-5-29 Membership.

The regular members of the graduate faculty shall consist of those members of the university faculty who are approved by the executive committee of the graduate council. Ex officio members of the graduate faculty are the vice president for academic affairs and provost, the deans of the colleges, and the director of libraries.

#### 3335-5-30 Powers and functions.

The graduate faculty shall have the following general powers and functions:

- (D) To receive the annual report of the dean of the graduate school and such other reports as the dean shall submit.
- (E) Perform the functions approved by the graduate council.

#### 3335-5-31 Meetings.

- (A) Meetings of the graduate faculty shall be called by the dean of the graduate school whenever so requested by ten per cent of the regular members of the graduate faculty or by a majority of the members present at any regular meeting of the graduate council.
- (B) The dean of the graduate school shall announce the time, place and purpose of each meeting at least seven days before the date of the meeting. The dean of the graduate school, or designee, shall preside at all meetings of the graduate faculty. All actions of the graduate faculty shall be upon a majority vote of the regular members present. In case of a tie vote on any matter before the graduate faculty, the dean of the graduate school shall cast the deciding ballot. Any action taken pursuant to paragraphs (B) or (C) of rule 3335-5-30 of the Administrative Code shall be proposed at one meeting of the graduate faculty and acted upon at a subsequent meeting called for that purpose.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

**3335-5-34 Election of faculty members.**

- (A) Faculty members shall be elected from each of the ten graduate areas identified by the graduate council, for staggered terms of four years and shall be ineligible for reelection for one year thereafter.
- (B) Elections shall be administered and supervised by a graduate council elections committee which shall be composed each year of the ten area members then retiring. This committee shall have power to make final rules on all matters not specifically covered by these rules. Elections shall be held in the spring quarter of each year for terms beginning with the following autumn quarter.

There shall be a graduate council nominating committee in each area, consisting of the retiring member of the graduate council representing that area, as chairperson, and as members the continuing members representing that area and the chairperson of the graduate committee for each department in that area or, in the absence of a graduate committee the department chairperson or designee. The committee shall make a minimum of four nominations, including nominations received by petition from any six or more members of the graduate faculty of the area concerned. The area nominating committee shall prepare and mail the election ballot to each member of its graduate faculty. The election ballots shall be counted by that committee. The person or persons receiving the highest number of votes shall be elected to the vacancy or vacancies existing at the time of election. The person receiving the next highest number of votes shall be an alternate member for a term of two years.

**3335-5-35 Powers and functions.**

The graduate council shall be the principal legislative body of the graduate school and, subject to modification or reversal by the graduate faculty, shall have the following powers and functions:

- (A) To initiate graduate school policies and to act upon any questions affecting those policies.
- (B) To establish and publish rules governing graduate programs.
- (C) To submit recommendations about proposals for adopting new courses and curricula involving graduate credit or for altering or abolishing existing ones to the council on academic affairs.
- (D) To submit recommendations about adopting or abolishing academic degrees administered by the graduate school to the council on academic affairs.
- (E) To encourage and stimulate scholarly research and creative activity.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

- (F) To make recommendations about establishing, affiliating, and abolishing research institutes, centers engaged in research activities, and other comparable organizations, and for determining the membership and authorities of their boards or governing bodies.
- (G) To approve, modify, or reverse any action taken by its standing committees.
- (H) To oversee the graduate area representation plan established by rule 3335-5-33 of the Administrative Code.

3335-5-46 Senate committees.

Steering committee

- (I) The steering committee shall consist of fourteen members apportioned as follows: six faculty, one dean, three administrators, and four students. The faculty representatives, three of whom shall be elected each year, and the dean shall be ineligible for immediate reelection. The representatives from the administration shall be the vice president for academic affairs and provost, the university fiscal officer, and without vote, the secretary of the university senate, ex officio. The (elected) members of the steering committee shall be chosen as follows:
  - (1) The faculty membership shall nominate a slate of at least three and no more than six faculty representatives.
  - (2) The representatives of the administration shall nominate at least one and no more than two deans when a new representative is elected.
  - (3) The four student members shall be as follows:
    - The president of the graduate-professional council
    - The president of the council of graduate students
    - The president of the undergraduate student government
    - One elected through nomination from the undergraduate student membership of the senate.

Program committee

- (M) The program committee shall consist of nine members apportioned as follows: four faculty, three students, one dean, and the secretary of the university senate. The faculty representatives, two of whom shall be elected each year, and the dean shall be ineligible for immediate reelection.

Rules committee

- (S) The rules committee shall consist of ten members apportioned as follows: six faculty, three students, and the secretary of the university senate. The faculty representatives, three of whom shall be elected each year, shall be ineligible for immediate reelection.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

**3335-7-14 Approval of student schedules.**

The deans or secretaries of the several colleges and schools, or designees, shall approve the schedule of classes of students in their colleges and schools but the assignment to hours and all changes in such assignment shall be made by the office of registration, records and scheduling.

**3335-7-26 Point-hour ratio.**

(B) When determining the point-hour ratio of a student:

- (1) For a quarter, the "applicable number of credit hours" shall be the student's scheduled credit hours in that quarter.
- (2) For the student's work in the university, the "applicable number of credit hours" shall be the total number of credit hours undertaken in the university except as modified by paragraphs (A) (2) or (B) of rule 3335-7-271 of the Administrative Code.
- (3) For the student's work in the graduate school, the "applicable number of credit hours" shall be the total number of graduate credit hours undertaken while enrolled in the graduate school. For the student's work in a professional college or school or professional division of a college. The "applicable number of credit hours" shall be the total number of credit hours undertaken while enrolled in the professional college or school or professional division of a college.

**3335-9-01 Classification of students for admission.**

Students shall be classified as:

- (B) Graduate students: regular, special, graduate nondegree, conditional, or transient. The provisional classification is used in conjunction with the regular, special, and conditional classifications.

**3335-9-02 Time of admission.**

- (B) Admission as a graduate student. Graduate students meeting all admission requirements may be admitted in any one of the four quarters.

**3335-9-04 Specific admission requirements.**

- (A) Undergraduate student. For admission as a regular undergraduate student, an applicant must be a graduate of a high school (or equivalent preparatory school), or must have passed equivalent entrance examinations. For unconditional admission the applicant must present a minimum of fifteen high school units distributed in accordance with a preparatory curriculum approved by the university faculty and must meet the special requirements of

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)**

the college or school the applicant desires to enter, subject to such deficiencies (or conditions) as that college or school may permit (see also rule 3335-9-24 of the Administrative Code). The preparatory curriculum is not required for the unconditional admission of regular undergraduate students with high school graduation prior to April 1, 1984.

For admission as a special undergraduate student, an applicant must satisfy the vice president for academic affairs and provost, or designee, that the applicant is qualified to undertake the special program desired.

- (B) Graduate student. An applicant must meet the admission criteria established by the graduate council. All applicants must specify a field of specialization.
- (C) Professional student. An applicant for admission as a regular or special student in a professional program must meet the pre-professional requirements of the school, college or division of a college the applicant desires to enter. If the applicant does not meet the pre-professional requirements, the applicant may be admitted subject to such deficiencies (or conditions) as that school, college or division of a college may permit.
- (D) Transient student. To be considered for admission as a transient student, the applicant must present a brief, definite program endorsed by the president or dean of the student's university or college. Where this and all other pertinent matters are satisfactory to the director of admissions, the applicant may be admitted unless there is objection by the college, school or division of which the applicant seeks admission.

**3335-9-13 Application and acceptance fees.**

- (E) Graduate. A non-refundable acceptance fee is assessed all students, except graduate non-degree students, enrolling for the first time in the graduate school of the university. Payment is to be made prior to registration.

**3335-9-15 Penalty for payment of fees when payment is not honored.**

The registration of any student who pays fees by a payment that is not honored upon presentation is subject to cancellation. If permitted to reregister and/or pay, the student will be assessed a penalty for reregistration and the regular penalty for late payment provided for in rule 3335-9-14 of the Administrative Code.

**NOW THEREFORE**

**BE IT RESOLVED**, That the amendments to the *Rules of the University Faculty* be adopted as recommended by the University Senate.

Upon motion of Mr. Berry, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous voice vote.

May 5, 1983 meeting, Board of Trustees

**CONVERSION OF DIVISION OF COMPARATIVE STUDIES IN THE HUMANITIES  
TO CENTER FOR COMPARATIVE STUDIES IN THE HUMANITIES**

Resolution No. 83-123

*Synopsis: The conversion of Division of Comparative Studies in the Humanities to Center for Comparative Studies in the Humanities is recommended.*

WHEREAS the present Division of Comparative Studies in the Humanities was designed for eventual transformation into a Center; and

WHEREAS the College of Humanities has proposed Center-status for the Division in order to allow for more successful and efficient operation; and

WHEREAS the Council on Academic Affairs has examined the proposed conversion of the Division to the Center for Comparative Studies in the Humanities and approves that change:

NOW THEREFORE

BE IT RESOLVED, That the recommendation of the University Senate that the Division of Comparative Studies in the Humanities be converted to the Center for Comparative Studies in the Humanities be approved.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous voice vote.

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**HONORARY DEGREES**

Resolution No. 83-124

*Synopsis: Approval is requested for awarding honorary degrees to three individuals.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Herman Chernoff  
Christa Wolf

Doctor of Science  
Doctor of Humane Letters

and

WHEREAS pursuant to paragraph (C) of rule 3335-3-03 of the Administrative Code, the President, after consultation with the Steering Committee of the University Senate, recommended to the Board of Trustees awarding of an honorary degree as listed below:

George H. Bush

Doctor of Humane Letters

May 5, 1983 meeting, Board of Trustees

**HONORARY DEGREES (contd)**

NOW THEREFORE

BE IT RESOLVED, That the above honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipients.

Upon motion of Dr. Jacob, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DISTINGUISHED SERVICE AWARD**

Resolution No. 83-125

*Synopsis: Posthumous presentation of the University's Distinguished Service Award to Judith B. Washburn is proposed.*

WHEREAS Judith B. Washburn spent her professional career as a member of the staff of The Ohio State University, serving the University for twenty years in all aspects of financial management and planning; and

WHEREAS she was nationally known for her proven abilities in budgeting for higher education; and

WHEREAS her deep commitment to this University was evidenced by her strong support of academic excellence, as she developed plans for the reallocation of scarce resources among colleges; and

WHEREAS with an intimate knowledge of the University's finances at all levels, Mrs. Washburn advised three University presidents on financial planning matters, and her wisdom and innovative thinking were invaluable assets to Ohio State's progress and financial stability; and

WHEREAS the President's Staff, serving as a Committee on Distinguished Service Awards, has nominated and recommended Judith B. Washburn for approval by the Board of Trustees to receive posthumously the Distinguished Service Award in accordance with action taken by the Board of Trustees in 1952:

NOW THEREFORE

BE IT RESOLVED, That the University and the Board of Trustees honor Mrs. Washburn's memory with the Distinguished Service Award for her significant contributions to The Ohio State University in the fields of financial management and planning; and



May 5, 1983 meeting, Board of Trustees

**DISTINGUISHED SERVICE AWARD (contd)**

BE IT FURTHER RESOLVED, That the Distinguished Service Award for Judith B. Washburn be presented posthumously at a time convenient to the University and the family of the recipient.

Upon motion of Mr. Immke, seconded by Mr. Havens, the foregoing resolution was adopted by unanimous voice vote.

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Dr. Haenicke presented a brief review of the proposal made by the College of Law to change from the present quarter calendar to a semester calendar.

**CHANGE COLLEGE OF LAW FROM QUARTER CALENDAR  
TO SEMESTER CALENDAR**

Resolution No. 83-126

*Synopsis: A change in the College of Law from the quarter calendar to a semester calendar is being proposed.*

WHEREAS College of Law Dean James E. Meeks reported to the Council on Academic Affairs on October 27, 1982, that the faculty of the College of Law voted to implement a semester calendar, and this proposal was also supported by students in the College of Law; and

WHEREAS on February 1, 1983, the University Calendar Committee reviewed and unanimously approved the proposal by the College of Law to establish a semester calendar; and

WHEREAS on March 2, 1983, the Council on Academic Affairs reviewed and approved the College of Law proposal to establish a semester system with the following provisions:

- a. That a detailed listing of new courses and credit hours be provided;
- b. That a policy for dealing with transfer credit hours from the law semester courses to University transcripts and from University quarter courses to law transcripts be created;
- c. That assurance be provided from the College of Law that its new curriculum meets the standards of its accrediting body;
- d. That the course titles, course numbers, and credits can be recorded properly on the official University transcript;
- e. That assurance be provided that tuition charges to students who register for courses on the other calendar system are equitable and prorated;
- f. That the College of Law provide assurance of continued support for interdisciplinary work by faculty and students; and

May 5, 1983 meeting, Board of Trustees

**CHANGE COLLEGE OF LAW FROM QUARTER CALENDAR  
TO SEMESTER CALENDAR (contd)**

WHEREAS on March 3, 1983, the Council of Deans approved the College of Law proposal to establish a semester system; and

WHEREAS this recommended change has been coordinated with other appropriate offices including the Graduate School and the University Senate:

NOW THEREFORE

BE IT RESOLVED, That an "early semester calendar system" for the College of Law be created in accordance with the plan proposed by that college, and that said calendar system be implemented effective Autumn, 1984.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous voice vote.

President Jennings made the following statement:

All right. This would be--I think there's two important things here. One is that Diether is exactly right: with a couple of very minor exceptions, we are the only law school remaining on a quarter system. There are other law schools in a quarter system institution that are now on the semester system; I think the best example is the University of Minnesota, if I'm not right, Jim. But, it also I think is a reflection of the great diversity in this institution and the institutional attempt to try and be as flexible as possible. I frankly think this has no implication for changing to semester for the entire campus, I think that's a whole separate issue. I think this is attempting to accommodate a rather unique situation around the country in law schools where it is not only bar exam, but it is different in sync. It is the bar attempting to judge the academic credits of our students versus everybody else. And I think this is something we can accommodate. There are a few, roughly ten, law school students who also take non-law courses that everybody has been alerted to--whether it is in the dormitory system or every place else that we will have to accommodate--make special accommodations for these few students who are in law school and taking other courses throughout the institution. Jim assures me, however, that the law school will not make any change in their policy of being certain to have an even number of students. In law schools you have to have an even number of students because they can't make a living unless there are at least two of them.

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**DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT**

Resolution No. 83-127

*Synopsis: Approval is being requested for awarding degrees and certificates for Spring Quarter Commencement.*

May 5, 1983 meeting, Board of Trustees

**DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT (contd)**

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit the names of persons who have completed degree and certificate requirements in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on June 10, 1983, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Dr. Jacob, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 83-128

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointment; Medical Staff--Appointments; Medical Staff--Reappointments; Appointment of Acting Chairperson; Reappointment of Department Chairperson; Leaves of Absence Without Salary; Professional Improvement Leave; Professional Improvement Leave--Change of Dates; Professional Improvement Leave--Cancellation; and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the April 1, 1983 meeting of the Board, including the following Appointment; Medical Staff--Appointments; Medical Staff--Reappointments; Appointment of Acting Chairperson; Reappointment of Department Chairperson; Leaves of Absence Without Salary; Professional Improvement Leave; Professional Improvement Leave--Change of Dates; Professional Improvement Leave--Cancellation; and Emeritus Titles as detailed in the University Budget, be approved.

**Appointment**

Name:	JOHN ELLINGER
Title:	Director - Student Unions
Office:	Student Services
Effective:	July 1, 1983
Salary:	\$34,200.00
Present Position:	Associate Director - Student Unions

May 5, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointment of Acting Chairperson

October 1, 1983 through March 31, 1984

East Asian Languages and Literatures

Yuan-shan Lao

Reappointment of Department Chairperson

July 1, 1983 through June 30, 1987

Botany

Emanuel D. Rudolph

Medical Staff--Appointments

Effective July 1, 1982

Arlynn F. Mulne, M.D.	Transfer from Courtesy to Attending Staff in Pediatrics	Assistant Professor
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Darryl A. Robbins, D.O.	Courtesy Staff in Pediatrics	Clinical Assistant Professor
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Effective August 1, 1982

Mark Clasen, M.D., Ph.D.	Courtesy Staff in Obstetrics and Gynecology	Assistant Professor
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Effective September 1, 1982

Robert T. Brown, M.D.	Attending Staff in Pediatrics	Associate Professor
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John E. Duckworth, D.D.S.	Attending Staff in General Dentistry	Assistant Professor
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Frederick B. Ruymann, M.D.	Attending Staff in Pediatrics	Professor
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Effective November 1, 1982

Michael J. Besson, M.D.	Courtesy Staff in Ophthalmology	Clinical Assistant Professor
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Effective December 1, 1982

Harisios Boudoulas, M.D.	Attending Staff in Cardiology	Professor
Alfred A. DeMaria, Jr., M.D.	Courtesy Staff in Neurology	Clinical Assistant Professor

William C. Maclean, Jr., M.D.	Courtesy Staff in Pediatrics	Clinical Associate Professor
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Phillip D. Jeffers, M.D.	Courtesy Staff in Orthopaedic Surgery	Clinical Assistant Professor
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May 5, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

Effective January 1, 1983

Patricia Bucher, M.D.	Limited Staff in General Psychiatry	Clinical Instructor H.S.
Eva Tilsworth Chapin, M.D.	Attending Staff in Diagnostic Radiology	Assistant Professor
Cynthia A. Coles, M.D.	Limited Staff in General Psychiatry	Clinical Instructor H.S.
John R. Hazlip, M.D.	Limited Staff in General Psychiatry	Clinical Instructor H.S.
David E. Henderson, M.D.	Courtesy Staff in Pediatrics	Clinical Instructor
Luigi Maresca, M.D.	Limited Staff in Thoracic and Cardiovascular Surgery	Clinical Instructor H.S.
Craig S. Mills, M.D.	Transfer from Limited to Attending Staff in Diagnostic Radiology	Instructor
Jo Ann C. Y. Rohyans, M.D.	Courtesy Staff in Pediatrics	Clinical Instructor
Carl G. Schowengerdt, M.D.	Limited Staff in Thoracic and Cardiovascular Surgery	Clinical Instructor H.S.

Effective January 3, 1983

Daniel J. Heinmiller, M.D.	Limited Staff in Pediatrics	Clinical Instructor H.S.
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Effective February 1, 1983

Paul Hrisikopoulos, M.D.	Attending Staff in Anesthesiology	Instructor
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Effective March 1, 1983

Wisam N. Owais, M.D.	Transfer from Limited Staff in Child Psychiatry to Courtesy Staff in General Psychiatry	Clinical Instructor
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Medical Staff--Reappointments

Perry R. Ayres, M.D.	Courtesy Staff in General Medicine	Clinical Professor
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Effective January 10, 1983

Bruce G. Sommer, M.D.	Attending Staff in General Surgery	Assistant Professor
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Effective January 14, 1983

Leigh Jay Herman, M.D.	Limited Staff in Radiology	Clinical Instructor H.S.
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May 5, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

Effective February 1, 1983

Hooshang Semnani, M.D.      Limited Staff in Pediatrics      Clinical Instructor H.S.

Leaves of Absence Without Salary

STEPHEN BUSER, Associate Professor, Academic Faculty of Finance, effective Winter Quarter 1984 and Spring Quarter 1984, for research activities at the University of Chicago.

DAVID LYNN FORSTER, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective May 9, 1983 through June 5, 1983, to work at the Forster Farms, Inc., Columbus, Indiana.

GERALD C. GROOMS, Associate Professor, Cooperative Extension Service, effective May 5, 1983 through August 3, 1983, for personal reasons.

DONALD HUBIN, Associate Professor, Department of Philosophy, effective October 1, 1983 through March 31, 1984, to accept a visiting appointment at the University of Pittsburgh.

YUJI KODAMA, Assistant Professor, Department of Mathematics, effective October 1, 1983 through June 30, 1984, to visit the University of Nagoya in Japan.

NEELAMEGAM SOUNDARARAJAN, Assistant Professor, Department of Computer and Information Science, effective April 1, 1983 through September 30, 1983, for personal reasons.

Professional Improvement Leave

JAMES A. KNIGHT, Associate Professor, Department of Agricultural Education, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

Professional Improvement Leave--Change of Dates

STEPHEN BUSER, Associate Professor, Academic Faculty of Finance, change professional improvement leave from Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984, to Autumn Quarter 1983.

Professional Improvement Leave--Cancellation

M. KATHERINE MEYER, Associate Professor, Department of Sociology, cancel professional improvement leave for Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

May 5, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles

N. WILSON BRITT, Department of Entomology, with the title Professor Emeritus, effective July 1, 1983.

J. OSBORN FULLER, Department of Geology and Mineralogy, with the title Professor Emeritus, effective July 1, 1983.

FRED O. HARTMAN, Department of Horticulture, with the title Professor Emeritus, effective April 1, 1983.

CLIFTON J. LATIOLAIS, College of Pharmacy, with the title Professor Emeritus, effective July 1, 1983.

WENRICH STUCKEY, Cooperative Extension Service, with the title Associate Professor Emeritus, effective April 1, 1983.

Upon motion of Mr. Hilliker, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 83-129

*Synopsis: Resolutions honoring the service of four of this University's faculty members and one staff member who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Immke, seconded by Mr. Berry, the foregoing resolution was adopted by unanimous voice vote.

Edward L. Fox

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 1, 1983, of Edward L. Fox, Professor of Physical Education in the College of Education.

Professor Fox was born on May 30, 1938. He received his Bachelor's, Master's and Ph.D. degrees from The Ohio State University, the latter in 1965. While an undergraduate, he received the President's Scholarship Medal in 1959, and was a Central Ohio Heart Association Research Fellow while doing his doctoral work. He was a United States Public Health Service Post-doctoral Fellow at Indiana University in 1967-68.

May 5, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Edward L. Fox (contd)

He joined the faculty of The Ohio State University in 1968 and became a Professor of Health, Physical Education and Recreation in 1973. He also held appointments as a Professor of Medicine, Associate Professor of Preventive Medicine and Associate Professor of Physiology. He believed deeply in the mission of the University, and was one of its greatest advocates.

Professor Fox was one of the most respected people in the exercise sciences. He was a Fellow of the American College of Sports Medicine, and recently served as Vice President of that organization. Articles reporting his research appeared in the most prestigious journals, and his textbooks are considered to be among the very finest in his field. Colleagues from the world over sought his opinion, and his reputation was such that he attracted students of the highest caliber.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Fox its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

Edward M. Kennaugh

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 11, 1983 of Edward M. Kennaugh, Professor Emeritus of Electrical Engineering.

Professor Kennaugh attended City College of New York prior to entering the U. S. Army in 1943. During the period of military service, he attended The Ohio State University, in 1943 and 1944, as part of the Army Specialized Training Program. He returned to OSU after his discharge in 1946 and obtained a Bachelor's degree in electrical engineering in 1947, a M.S. degree in physics in 1952, and the Doctor of Philosophy in electrical engineering in 1959.

Professor Kennaugh was a widely acclaimed authority on electromagnetic theory. His basic work on frequency- and time-domain scattering not only gained widespread recognition for himself and for The Ohio State University, but also provided the basis for work of many researchers to follow.

His fundamental study of the polarization properties of radar scattering objects, accomplished in the early 1950's, remains today the definitive work in the area. His introduction, in 1958, of the "Impulse Response" concept of three dimensional electromagnetic scatterers became the foundation of a large body of literature on active radars. In 1981, he introduced the "K-pulse" concept as a new theoretical tool for the development of future generations of sophisticated radar systems. In this sense, Professor Kennaugh typified the high ideal of scholarship which is at the very cornerstone of a university's existence.



May 5, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Edward M. Kennaugh (contd)

Professor Kennaugh was associated with the OSU Antenna Laboratory (now the Electro-Science Laboratory) from 1949 to 1976, and also served on the faculty from 1961 to 1976, when he retired from University service. He served as the Director of the ElectroScience Laboratory from 1970 to 1973. He continued to remain active in electromagnetics research following his retirement.

Although his entire career was spent at OSU, Professor Kennaugh served as a consultant to industry and government; he was a member of the Institute of Electrical and Electronic Engineers, and of Commission B of the International Scientific Radio Union. He was also a member of the Sigma Xi Scientific Society.

On behalf of the University community, the Board of Trustees expresses to the family of Edward Kennaugh its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University, and his many friends and associates have sustained.

Walter R. Krill

The Board of Trustees of The Ohio State University expresses sorrow upon the death on March 30, 1983, of Walter R. Krill, Dean and Professor Emeritus in the College of Veterinary Medicine.

Walter R. Krill was born April 13, 1902 in Edgerton, Ohio. He received a B.S. degree from Ohio State University in 1923; a D.V.M. in 1927; and honorary degree, D.Sc., in 1974. He practiced veterinary medicine in Lima, Ohio, from 1927-29; became an instructor in the College of Veterinary Medicine, The Ohio State University in 1929, an assistant professor in 1935, associate professor in 1940, professor in 1943, and was appointed dean in 1946, serving in that capacity until his retirement in 1967. He served as a consultant to the Surgeon General USAF 1950-53; consultant to Special Fund Division of the United Nations in 1963 for service in Mexico; consultant to Biological Laboratories, Camp Detrick, Maryland; consultant AID, India, 1967; chairman, Commission on Regulatory Education; member of the Governors' Commission on Peacetime Uses of Atomic Energy; Advisory Committee of Animal Industry Quarantine Division, U. S. Department of Agriculture.

Dr. Krill was the recipient of the Gamma Award, 1960; Distinguished Alumnus Award, College of Veterinary Medicine, 1971; and named to the Ohio Agriculture Hall of Fame in 1975. He was a member of the American Association of Deans of Veterinary Colleges; Ohio Veterinary Medical Association; U. S. Livestock Loss Prevention Association; Research Workers Animal Disease in North America; U. S. Livestock Sanitary Association, Regional Health Service Advisory Committee; American Dairy Science Association; American Veterinary Medical Association (executive board 1944-49, 1950-54, chairman of the board 1948-49); National Association for Standard Medical Vocabulary; National Board of Veterinary

May 5, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Walter R. Krill (contd)

Medical Examiners; Healing Arts Education Advisory Committee to Selective Service; Land-Grant College Association. Dr. Krill was a member of Phi Zeta, national veterinary honor society; a Shriner and a Rotarian.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Judith B. Washburn

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 10, 1983, of Judith B. Washburn, Special Assistant for Fiscal Affairs in the Office of the President.

Born October 2, 1941, in Bellaire, Ohio, Mrs. Washburn earned the B.S. in Business Administration from The Ohio State University in 1963. She joined the staff of the University as an Accountant in the Office of Internal Auditing that year, and held that position until 1965. From 1965 until 1968, Mrs. Washburn was a Research Associate in the Office of Administrative Research and Data Processing. In 1968, she joined the University Budget Office as Assistant to the Director, serving as Director of Special Projects as well from 1969 until 1971, when she became Associate Director of Programs and Planning in the Office of University Budget. From 1972 through 1980, Mrs. Washburn was Executive Director, University Budget; she then was appointed Assistant Vice President in the Office of Finance and Planning.

In 1981, Mrs. Washburn became Special Assistant to the President. Her primary area of responsibility was the formulation of plans, analyses, and recommendations for the President concerning University resources and allocations. Her professional expertise and her outstanding ability as a fiscal advisor to the President have been of immeasurable value to The Ohio State University.

Mrs. Washburn was the recipient of an American Society of Women Accountants Scholarship, and a member of Beta Alpha Psi (Accounting Honorary) and Phi Chi Theta (Women's Commerce Honorary).

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Dr. Consuelo Wise

The Board of Trustees of The Ohio State University expresses its sorrow at the death on March 21, 1983, of Dr. Consuelo Wise, Professor Emeritus in the College of Dentistry, Division of Dental Hygiene.

May 5, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Dr. Consuelo Wise (contd)

Dr. Wise received her D.D.S. degree from The Ohio State University in 1926. She was a member of the faculty of the College of Dentistry from 1951 until her retirement in 1971, and was Director of the Division of Dental Hygiene from 1952 until 1969.

Dr. Wise was a member of the American Dental Association, Ohio Dental Association, Omicron Kappa Upsilon Honorary Fraternity, and an honorary member of Sigma Phi Alpha.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-130

*Synopsis: The reports on contracts, grants, and gifts and the summary for March 1983 are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of March 1983, be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Havens, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MARCH 1983**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	85	\$4,849,571.00
Engineering Experiment Station	14	\$ 214,788.00
Ohio Agricultural Research and Development Center	2	\$ 60,626.00
		\$5,124,985.00

The Ohio State University Development Fund

Establishment of Named Funds

The Irma Cooper Vocal Scholarship Fund (Undergraduate or graduate scholarships)		\$10,988.25
Elderkin Scholarship Fund (Undergraduate scholarships)		\$ 6,062.50
Glenn A. Fry Professorship Endowment Fund (College of Optometry)		\$ 6,000.00
The Pamela L. Blakeslee Memorial Scholarship Fund in Veterinary Medicine (College of Veterinary Medicine)		\$ 5,500.00
The Harold E. Kaeser Endowed Scholarship Fund (Undergraduate scholarships - Dairy Science)		\$ 5,000.00
Julie Ann Klein Award in Food Science and Nutrition (Department of Food Science and Nutrition)		\$ 5,000.00

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MARCH 1983 (contd)**

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The John T. Mount Leadership Fund (Lima Campus)	\$ 5,000.00
The Jane Shanely Phi Upsilon Omicron Fellowship Fund (School of Home Economics)	\$ 5,000.00
The Student Tribute to Education Professors Award (College of Education)	\$ 5,000.00

Change in Name of Fund

From: Ohio-Drake Unions Scholarship Fund  
To: Wendell W. Ellenwood Scholarship Fund

Report from Presidents Club

Members to date	4,487
1983 members: year to date	32
New members - March 1983	6

New Presidents Club Members - March 1983

Blair Gresens  
Bruce A. Killinger  
Stanley W. Joehlin

George F. Reiser  
Jane C. Walsh  
W. Bruce Walsh

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THIRD QUARTER SUMMARY**

January 1, 1983 through March 31, 1983

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Sponsor	No. of Awards	Amount of Support
<b>FEDERAL</b>		
National Aeronautics and Space Administration	8	\$ 744,466.00
National Science Foundation	30	1,509,956.00
Department of Defense	21	872,602.00
Department of Energy	4	665,525.00
Department of Education	6	4,974,504.00
Department of Health and Human Services	44	3,173,087.00
Other Federal	21	752,518.00
TOTAL - FEDERAL	134	\$12,692,658.00
STATE OF OHIO	14	\$ 815,954.40
INDUSTRIAL	21	\$ 972,191.45
OTHER NON-FEDERAL	41	\$ 835,473.86
GRAND TOTAL	210	\$15,316,277.71

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THIRD QUARTER SUMMARY**

January 1, 1983 through March 31, 1983

**ENGINEERING EXPERIMENT STATION**

Sponsor	No. of Awards	Support Level
STATE OF OHIO	1	\$ 23,426.00
INDUSTRIAL AND OTHER	75	\$882,396.00
TOTALS	76	\$905,822.00

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - March 1983

**Federal Research Contracts/Grants**

\$623,775.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Medicine (W. B. Malarkey), 1 December 1982 through 30 November 1983. (Project 761196 - Continuation)

\$500,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, High Energy Physics, Department of Physics (T. A. Romanowski, K. Reibel, N. W. Reay, N. R. Stanton, T. Y. Ling, H. P. Kagan, S. S. Pinsky, W. W. Wade, W. F. Palmer, K. Tanaka and K. D. Lane), 1 February 1983 through 31 January 1984. (Project 762116 - Continuation)

\$299,875.00 - National Aeronautics and Space Administration, Office of Advance Research Technology, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 May 1983 through 30 April 1984. (Project 761608 - Continuation)

\$159,877.00 - Environmental Protection Agency, Washington, D. C., Environmental Carcinogen Perturbation of Differentiation and Induction of Carcinogenesis: Human Epithelial Cells, Department of Physiological Chemistry and Cancer Research Center (G. E. Milo), 28 February 1983 through 27 February 1985. (Project 763457 - New)

\$131,750.00 - National Science Foundation, Washington, D. C., Paleoclimatic Investigations on the Quelccaya Ice Cap, Peru, Institute of Polar Studies (L. G. Thompson), 1 January 1983 through 31 December 1983. (Project 763460 - New)

\$126,529.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Unusual Biologically Active Terpenes, Department of Chemistry (L. A. Paquette), 1 April 1983 through 31 March 1984. (Project 763497 - New)

\$111,900.00 - National Science Foundation, Washington, D. C., Basic Mechanisms of Sliding Friction and Wear, Department of Metallurgical Engineering (D. R. Rigney), 1 April 1982 through 31 March 1984. (Project 763031 - Continuation)

\$107,000.00 - National Science Foundation, Washington, D. C., Liquid Helium at Low Temperatures, Department of Physics (D. O. Edwards), 1 April 1983 through 31 March 1984. (Project 761582 - Continuation)



May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$105,590.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunosuppressive Properties of Retrovirus Protein, Department of Veterinary Pathobiology (R. Olsen and G. J. Kociba), 1 February 1983 through 31 January 1984. (Project 762986 - Continuation)

**\$101,329.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Phase I Studies of New Anticancer Agents, Cancer Research Center (J. A. Neidhart), 1 December 1982 through 30 November 1983. (Project 763077 - Continuation)

**\$98,952.00** - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Social and Communicative Interactions of Mildly Delayed and Nonhandicapped Preschool Children in Mainstreamed Settings, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1983 through 30 June 1984. (Project 763463 - New)

**\$93,959.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Deletions and Mitochondrial Genetic Recombination, Department of Genetics (P. S. Perlman and C. W. Birky), 1 April 1983 through 31 March 1984. (Project 764400 - Continuation)

**\$90,000.00** - Department of Energy, Chicago Operations Office, Argonne, Illinois, Investigations of Ultrasonic Wave Interactions at Boundaries Separating Anisotropic Media, Department of Welding Engineering (L. Adler), 1 April 1983 through 31 March 1984. (Project 763487 - New)

**\$88,054.00** - National Science Foundation, Washington, D. C., Partisanship and Voting, Department of Political Science (H. F. Weisberg), 15 February 1983 through 31 July 1984. (Project 763453 - New)

**\$84,319.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Importance of Reactive Oxygen Species in Cell Damage, Department of Medicine (A. L. Sagone), 1 March 1983 through 29 February 1984. (Project 763467 - New)

**\$80,576.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Stereoisomeric Imidazolines: Adrenoceptor Studies, College of Pharmacy (D. D. Miller and P. N. Patil), 1 April 1983 through 31 March 1984. (Project 763483 - New)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$80,343.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Vestibular Control of Posture, Department of Otolaryngology (C. W. Stockwell), 1 April 1983 through 31 March 1984. (Project 760820 - Continuation)

**\$73,696.00** - Department of the Navy, Office of Naval Research, Arlington, Virginia, Person Perception Processes in Small Groups, Department of Psychology (T. M. Ostrom), 30 December 1982 through 30 September 1983. (Project 762498 - Continuation)

**\$69,564.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1983 through 31 March 1984. (Project 762083 - Continuation)

**\$66,572.00** - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Advance RCS Reduction, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 January 1983 through 24 August 1983. (Project 762363 - Continuation)

**\$66,531.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Identification of Essential Genes for HSV DNA Synthesis, Department of Medical Microbiology and Immunology (D. S. Parris), 1 March 1983 through 29 February 1984. (Project 762587 - Continuation)

**\$65,501.00** - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (M. Tzagournis), 1 April 1983 through 31 March 1984. (Project 761078 - Continuation)

**\$65,000.00** - National Aeronautics and Space Administration, Office of Advance Research Technology, Ames Research Center, Moffett Field, California, Use of Computer-Aided Testing in the Investigation of Pilot Response to Critical In-Flight Events, Department of Industrial and Systems Engineering (T. H. Rockwell and W. C. Giffin), 1 December 1982 through 30 November 1983. (Project 762647 - Continuation)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$64,000.00 - Department of the Air Force, Air Force Systems Command, Electronic Systems Division, Hanscom Air Force Base, Massachusetts, Theoretical Studies on Determinations, Predictions, and Accuracies of Geodetic Parameters and Gravimetric Quantities, Department of Geodetic Science and Surveying (U. A. Uotila), 26 April 1983 through 30 September 1983. (Project 762947 - Continuation)

\$58,509.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Pedestrian Impact Quantification and Human Trauma Correlation, Department of Mechanical Engineering (R. L. Stalaker), 1 February 1983 through 31 January 1984. (Project 763465 - New)

\$58,214.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Pharmacology of Novel Antiabortifacients, College of Pharmacy (R. G. Rahwan), 1 April 1983 through 31 March 1984. (Project 762609 - Continuation)

\$56,177.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Transformation from Cone to Channel Sensitivities, Department of Biophysics (C. R. Ingling, Jr.), 1 March 1983 through 29 February 1984. (Project 761926 - Continuation)

\$54,614.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Immunologic Aspects of Legionellosis, Department of Medicine (J. F. Plouffe), 1 February 1983 through 31 January 1984. (Project 762577 - Continuation)

\$47,052.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Dental Research, Bethesda, Maryland, Cyclic Nucleotides and Prostaglandins in Cleft Palate, Department of Veterinary Preventive Medicine (C. S. Reddy), 1 April 1983 through 31 March 1984. (Project 763474 - New)

\$45,336.00 - National Aeronautics and Space Administration, Washington, D. C., The Role of Acid and Calcium Gradients in Gravitropism, Department of Botany (M. L. Evans), 1 March 1983 through 29 February 1984. (Project 763005 - Continuation)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$45,267.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Model to Study Intra and Extrathymic Influences in Aging, Department of Anatomy (K. H. Jones), 1 March 1983 through 29 February 1984. (Project 762998 - Continuation)

\$43,300.00 - National Science Foundation, Washington, D. C., The Interannual Variation of Certain Features of the General Circulation over the Southern Hemisphere, Department of Geography (J. C. Rogers), 1 March 1983 through 29 February 1984. (Project 763498 - Continuation)

\$41,834.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Survival Factors (Nodes, Histology), E-B Virus-Nasopharyngeal Carcinoma, Department of Otolaryngology (D. E. Schuller), 1 April 1983 through 31 March 1984. (Project 761591 - Continuation)

\$37,568.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Graduate School Administration (J. B. LaPidus), 1 April 1983 through 31 March 1984. (Project 764748 - Continuation)

\$36,394.00 - National Science Foundation, Washington, D. C., Glaciology Near Dome "C," East Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), 1 March 1983 through 30 June 1984. (Project 762783 - Continuation)

\$35,525.00 - Department of Energy, Chicago Operations Office, Argonne Illinois, Pulse Radiolysis Studies of Fast Reactions in Molecular Systems, Department of Chemistry (L. M. Dorfman), 1 February 1983 through 31 January 1984. (Project 762589 - Continuation)

\$34,455.00 - National Aeronautics and Space Administration, Office of Advance Research Technology, Langley Research Center, Hampton, Virginia, The Role of Airfoil Geometry in Minimizing the Effect of Insect Contamination of Laminar Flow Sections, Department of Aeronautical and Astronautical Engineering (M. B. Bragg), 1 March 1983 through 29 February 1984. (Project 763468 - New)

\$32,539.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development - Head/Neck Simulator, Department of Electrical Engineering (H. Hemami), 21 February 1983 through 31 July 1983. (Project 763173 - Continuation)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$31,857.00 - National Science Foundation, Washington, D. C., Fabric Development in Polar Ice, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans) and Institute of Polar Studies (J. F. Bolzan), 4 March 1983 through 31 January 1984. (Project 762446 - Continuation)

\$28,725.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development - Head/Neck Simulator, Department of Mechanical Engineering (D. A. Guenther), 1 April 1983 through 31 July 1983. (Project 763173 - Continuation)

\$27,781.00 - National Science Foundation, Washington, D. C., Complexity of Decision Problems, Department of Computer and Information Science (E. M. Gurari), 1 April 1983 through 31 March 1985. (Project 763492 - New)

\$26,900.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, SID (Side Impact Dummy) Design Modifications, Department of Mechanical Engineering (R. L. Stalnaker), 1 February 1983 through 31 January 1984. (Project 763466 - New)

\$26,271.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, A Study of the Buckling, Postbuckling Behavior and Vibrations of Laminated Composite Panels, Department of Engineering Mechanics (A. W. Leissa), 1 March 1983 through 20 January 1984. (Project 762513 - Continuation)

\$23,331.00 - National Science Foundation, Washington, D. C., Statistical Studies of the Genetic Effects Caused by Population Bottlenecks, Department of Genetics (P. A. Fuerst), 1 May 1983 through 30 April 1984. (Project 762925 - Continuation)

\$23,003.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Corneal Environment, College of Optometry (R. M. Hill), 1 April 1983 through 31 March 1984. (Project 761080 - Continuation)

\$22,800.00 - National Science Foundation, Washington, D. C., Classification and Calibration of Cool Stars to Serve as Spectroscopic Standards, Department of Astronomy (P. C. Keenan), 1 July 1983 through 30 June 1984. (Project 763484 - Continuation)

\$19,313.00 - National Science Foundation, Washington, D. C., Glacial Geological and Fossil Beetle Studies in Southern Argentina: A Climatic Reconstruction of the Last 15,000 Years, Institute of Polar Studies (J. H. Mercer), 15 January 1982 through 31 December 1983. (Project 762973 - Continuation)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$17,600.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Correlation of Measured Acceleration and Displacement Data, Department of Mechanical Engineering (H. R. Busby), 1 March 1983 through 31 December 1983. (Project 763462 - New)

\$16,600.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Boulder, Colorado, Lake Erie Recreational Planning Guide, Center for Lake Erie Area Research (C. E. Herdendorf), 1 March 1983 through 29 February 1984. (Project 763500 - New)

\$15,348.00 - National Science Foundation, Washington, D. C., Precipitation over the Coastal Areas of East Antarctica, Institute of Polar Studies (D. H. Elliot and D. H. Bromwich), 1 May 1981 through 31 October 1983. (Project 762684 - Continuation)

\$15,000.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Spectral Characteristics of a Standard Aircraft Diffusion Flame, Department of Physics (K. N. Rao), 31 March 1983 through 31 March 1984. (Project 763499 - New)

\$14,734.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1983 through 31 March 1984. (Project 760661 - Continuation)

\$14,684.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion: Human and Animal Studies, Department of Otolaryngology (D. J. Lim), 1 December 1982 through 30 November 1983. (Project 760043 - Continuation)

\$13,108.00 - National Science Foundation, Washington, D. C., Geologic and Paleontologic History of the James Ross Island Basin, Northern Antarctica Peninsula, Institute of Polar Studies and Department of Geology and Mineralogy (D. H. Elliot) and Institute of Polar Studies (W. J. Zinsmeister), 1 March 1983 through 31 January 1984. (Project 762806 - Continuation)

\$12,734.00 - National Science Foundation, Washington, D. C., Genesis of Mineralization Associated with Andean Intrusions, Northern Antarctic Peninsula Region, Institute of Polar Studies and Department of Geology and Mineralogy (D. E. Pride), 1 August 1979 through 31 July 1983. (Project 761769 - Continuation)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$12,000.00 - Department of the Air Force, Air Force Systems Command, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Effect of Hepatotoxic Nonadecafluorodecanoic Acid on Gene Expression in Rat Liver, Department of Physiological Chemistry (T. E. Webb), 15 April 1983 through 14 January 1984. (Project 763494 - New)

\$12,000.00 - Department of the Air Force, Air Force Systems Command, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., New Gallium Precursors for the Formation of High Purity Gallium Arsenide by Metal Organic Vapor Phase Deposition, Department of Chemistry (E. P. Schram), 1 May 1983 through 30 April 1984. (Project 763496 - New)

\$10,556.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Stress Corrosion Cracking and Oxidation Characteristics of Boride-Strengthened Microcrystalline Iron and Nickel Based Alloys, Department of Metallurgical Engineering (C. E. Mobley), 1 April 1983 through 30 June 1984. (Project 763166 - Continuation)

\$7,100.00 - National Science Foundation; Washington, D. C., Methods for Reduction of Friction in Transport of Heavy Crude Oil-in-Water Emulsions, Department of Chemical Engineering (J. L. Zakin), 15 February 1983 through 31 January 1985. (Project 763461 - New)

\$5,000.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Effects of Natural Enemies of Populations of *Pyrrhalta luteola*, Department of Entomology (R. W. Hall), 15 January 1983 through 31 December 1983. (Project 763493 - New)

\$4,097.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Study of Biologically Active Microbial Metabolites, Department of Chemistry (H. G. Floss), 1 December 1982 through 30 November 1983. (Project 763393 - Continuation)

\$1,206.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acanthamoeba Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1982 through 30 November 1983. (Project 762493 - Continuation)

TOTAL - FEDERAL AWARDS

\$4,383,224.00

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants**

\$15,000.00 - Ohio Board of Regents, Columbus, Ohio, Ohio Area Health Education Center, College of Medicine - Administration (G. L. Trzebiatowski and M. Tzagournis), 1 February 1983 through 30 September 1983. (Project 763472 - New)

\$10,000.00 - Ohio Humanities Council, Columbus, Ohio, Women, Fascism, Everyday Life in Germany (Conference), Department of German (H. Fehervary), 4 December 1982 through 31 May 1983. (Project 763447 - New)

\$9,986.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Parasites of Fishes of Old Woman Creek National Estuarine Sanctuary, Department of Zoology (J. L. Crites) and Center for Lake Erie Area Research (C. E. Herdendorf), 1 July 1983 through 30 June 1984. (Project 763481 - New)

\$4,292.00 - Ohio Historical Society, Columbus, Ohio, Development of the Central Ohio Archaeological Survey at The Ohio State University, Department of Anthropology (W. S. Dancey), 1 January 1983 through 31 August 1983. (Project 763473 - New)

\$750.00 - Ohio Arts Council, Columbus, Ohio, Four-Color Collotype Printing, Department of Art Education (R. C. Tauber), 3 January 1983 through 30 June 1983. (Project 763476 - New)

**TOTAL - STATE OF OHIO AWARDS**

**\$ 40,028.00**

**Industrial Research Contracts/Grants**

\$65,816.00 - Ortho Pharmaceutical Corporation, Raritan, New Jersey, Double-Blind Evaluation of the Analgesic Efficacy and Safety of a Suprofen (200 mg) + Codeine (30 mg) Combination Compared to Suprofen (200 mg) Codeine (30 mg) Aspirin (650 mg) and Placebo in Patients with Pain Due to General, Orthopedic, or Gynecological Surgery, Department of Anesthesiology (J. S. McDonald), 1 January 1983 through 29 February 1984. (Project 763495 - New)

\$41,918.00 - Mead Johnson and Company, Evansville, Indiana, Can N-Acetylcysteine Prevent Chronic Doxorubicin Cardiotoxicity, Department of Medicine (D. V. Unverferth), 1 January 1983 through 31 August 1983. (Project 763480 - New)

\$27,290.00 - American Cyanamid Corporation, Clifton, New Jersey, Evaluation of DNA Repair in Human Skin, Department of Radiology (S. M. D'Ambrosio) and Department of Medicine (E. Lowney), 1 January 1983 through 31 March 1983. (Project 763488 - New)



May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$23,016.00 - Boehringer Ingelheim, Ltd., Ridgefield, Connecticut, Analysis of Dipyrindamole in Plasma, Department of Veterinary Clinical Sciences (R. Sams), 1 January 1983 through 30 June 1983. (Project 762928 - Continuation)

\$19,890.00 - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1983 through 31 December 1983. (Project 762165 - Continuation)

\$18,222.00 - Eltech Systems, Painesville, Ohio, Electrochemical Studies on Aluminum Anodes in Alkaline Media, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1983 through 30 June 1983. (Project 763459 - New)

\$16,440.00 - Sterile Systems, Inc., Logan, Utah, Analysis of Prostaglandins in Serum, Department of Pharmacology (R. H. Fertel), 1 March 1983 through 29 February 1984. (Project 763485 - New)

\$1,310.00 - CSG Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, National Center for Research in Vocational Education (R. E. Taylor), 1 March 1983 through 31 December 1984. (Project 763026 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 213,902.00

**Other Non-Federal Research Contracts/Grants**

\$85,000.00 - Illuminating Engineering Research Institute, New York, N. Y., Contribution of Daylighting to Visibility and Visual Performance of Tasks Found in Residences and Commercial Establishments - Phase I, Department of Microbiology (H. R. Blackwell), 1 February 1983 through 31 August 1983. (Project 763470 - Continuation)

\$25,355.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Test Strategy Study for AIDS Performance Tests, Department of Geodetic Science and Surveying (A. Gruen), 13 March 1983 through 15 September 1983. (Project 763489 - New)

\$24,568.00 - Jamaica Government, Ministry of Youth and Community Development, Kingston, Jamaica, Specialist Consultants for National Training Board and Planning/Evaluation and an International In-resident Fellowship Program for Jamaica, National Center for Research in Vocational Education (R. E. Taylor), 1 January 1983 through 31 December 1983. (Project 763425 - New)

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$18,969.00 - Battelle Memorial Institute, Office of Nuclear Waste Isolation, Columbus, Ohio, Experimental and Analytical Studies of the Thermal Aspects of Deep Geological Disposal of Commercial Nuclear Wastes, Department of Mechanical Engineering (R. N. Christensen), 1 March 1983 through 30 June 1983. (Project 761731 - Continuation)

\$15,000.00 - National Cancer Cytology Center, Plainview, New York, An *in Vivo* Model for the Inductive Chemotherapy of Hairy Cell Leukemia, Department of Pathology (R. F. Barth and W. C. Hooper), 1 March 1983 through 29 February 1984. (Project 763469 - New)

\$13,700.00 - S. H. Sklar, Cliffside, New Jersey, Double-Blind Evaluation of Adenosine-5'-Monophosphate (AMP) in the Management of the Neuralgia Component of Cutaneous Herpes Zoster: Isolation of Infectious Herpes Zoster and Antibody Titers in Treated Patients and Controls, Department of Medical Microbiology and Immunology (R. Glaser), 16 March 1983 through 15 March 1984. (Project 763475 - New)

\$10,000.00 - University of Cincinnati, Department of Orthopaedic Surgery, Cincinnati, Ohio, OSU Participation in NIH Grant No. R01-AM27517-03 Title "Bio Mechanics of Ligament/Tendon Repair and Grafts," Department of Veterinary Clinical Sciences (R. B. Hohn and M. L. Olmstead), 1 August 1982 through 31 July 1983. (Project 762827 - Continuation)

\$8,957.00 - University of Rhode Island, Kingston, Rhode Island, Biosynthesis of Marine Natural Products, Department of Chemistry (H. G. Floss), 1 July 1982 through 30 June 1983. (Project 763351 - Continuation)

\$7,500.00 - Society for American Florists Endowment, Edwardsville, Illinois, An Inflated Tube Energy Screen for Nighttime Insulation, Department of Agricultural Engineering (OARDC) (T. H. Short), 1 January 1983 through 31 December 1983. (Project 763479 - New)

\$3,368.00 - National Association of Regulatory Utility Commissioners, Washington, D. C., NARUC State Member Support of the NRR1 through Regularized State-Provided Contributions, National Regulatory Research Institute (D. N. Jones), 1 July 1982 through 30 June 1983. (Project 763289 - Continuation)

**TOTAL - OTHER NON-FEDERAL AWARDS**

**\$ 212,417.00**

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION**

**Industrial and Other Sponsored Research and Development**

**\$214,788.00** Fourteen development projects under the direction of 8 engineering departments and research areas.

**OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

**Federal Contracts/Grants**

**\$47,467.00** - Department of Health and Human Services, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, continued support of studies on immunity against enteric viral infections, Food Animal Health Research Program, April 1, 1983 to March 31, 1984. (Cooperative Agreement No. 2 R22 A1 10735-09)

**\$13,159.00** - Grants Administrative Management Office, U. S. Department of Agriculture, Arlington, Virginia, continued support of the Ohio Program for the National Pesticide Impact Assessment Program, Department of Entomology, to September 30, 1984. (Cooperative Agreement No. 80-CRSR-2-0517)

**TOTAL - FEDERAL CONTRACTS/GRANTS** **\$ 60,626.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Report - February 1983**

**Gifts of \$5,000 or More**

**\$315,311.00** Kathryn Wildermuth, Columbus, Ohio, for Wildermuth Memorial Scholarship.

**\$134,000.00** E. I. duPont de Nemours & Company, Wilmington, DE--\$26,000.00 for duPont Fund for Mechanical Engineering; \$25,000.00 for duPont Young Faculty Grant - Chemistry; \$14,000.00 for duPont Fund for Research in Chemistry; \$12,500.00 for E. I. duPont Haskell Lab Fellowship in Vet Pathology; \$12,500.00 for duPont Young Faculty Grants; \$12,000.00 for duPont Fund for Research in Chemical Engineering; \$10,000.00 for Affirmative Action Program in Engineering; \$6,000.00 for duPont Fund for Research in Electrical Engineering; \$6,000.00 for Professorship in Plant Protection; \$6,000.00 for duPont Science/Engineering (Pharmacy); and \$4,000.00 for duPont Business Grant.

**\$ 50,000.00** The Kiplinger Foundation, Washington, D. C. for W. M. Kiplinger Chair.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Gifts of \$5,000 or More (contd)**

- \$ 42,000.00 Gynecic Research/Education, Columbus, Ohio, for Education Publications and Research - Obstetrics Fund.
- \$ 39,000.00 PPG Industries, Pittsburgh, Pennsylvania--\$20,000.00 for Capital Campaign Chemical Engineering; \$10,000.00 for Advanced Design Methods Laboratory Mechanical Engineering; \$5,000.00 for Affirmative Action in Engineering; and \$4,000.00 for Minority Assistance Program in the College of Administrative Science.
- \$ 37,000.00 William Skou, Akron, Ohio--\$18,500.00 for Skou Faculty Enrichment and \$18,500.00 for W. J. Skou Scholarship Fund.
- \$ 33,845.00 University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.
- \$ 31,557.16 Retinal Consultants, Columbus, Ohio--\$29,715.87 for Retina Research Fund and \$1,841.29 for Ophthalmology Photography Fund.
- \$ 25,000.00 Eastman Kodak Company, Rochester, New York, for Kodak Fellows Program.
- \$ 22,176.81 Reproduction Research Education Associates, Columbus, Ohio, for Education Publications and Research - Obstetrics Fund.
- \$ 21,200.00 Chemlawn Corporation, Columbus, Ohio--\$12,000.00 for Chemlawn Fellowship in Toxicology Fund and \$9,200.00 for Child Development Thesis Fund.
- \$ 20,000.00 Wolfe Associates, Inc., Columbus, Ohio, for Joseph M. Ryan Unit of Cardiovascular Diseases.
- \$ 19,882.89 Banks Florilegm Fund, Columbus, Ohio, for Library Support Fund.
- \$ 18,000.00 Hematology Associates, Columbus, Ohio, for Hematology and Cancer Research Fund.
- \$ 17,700.00 Potash Corporation of Skatchewan, Xenia, Ohio, for PCS Tillage Fertility Fund.
- \$ 16,167.10 Systems Associates, Columbus, Ohio, for Cardiology Support Fund.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 14,950.00 Janssen Pharmaceutical, New Brunswick, New Jersey, for Anesthesia Research and Education Enhancement Fund.
- \$ 11,436.88 Ida Topper, Columbus, Ohio, for Topper Lecture Fund.
- \$ 10,750.75 University Renal Group, Columbus, Ohio, for Renal Disease Research Fund.
- \$ 10,500.00 American Foundation for Pharmaceutical Education, Fair Lawn, New Jersey, for American Foundation for Pharmaceutical Education Fellowship Fund.
- \$ 10,250.00 Chevron, USA, Inc., San Francisco, California, for Chevron Fellowship Fund.
- \$ 10,000.00 L. B. & E. M. Cullman Fund, New York, New York, for Cullman Symposium Fund.
- \$ 10,000.00 R & A Shafer Foundation, Columbus, Ohio, for Friends of WOSU.
- \$ 9,000.00 Procter and Gamble Fund, Cincinnati, Ohio--\$5,000.00 for Highlander Research Endowment Fund and \$4,000.00 for College of Law Student Emergency Fund.
- \$ 8,686.00 Gulf Oil Foundation, Pittsburgh, Pennsylvania, for Gulf Oil Foundation for Metallurgical Engineering.
- \$ 8,872.00 Safe Endowment, Edwardsville, Illinois--\$6,000.00 for Ohio Florists Association Special Fund and \$2,872.00 for Ornamentals Plant Pathology.
- \$ 8,000.00 Airtron, Inc., Morris Plains, New Jersey, for Physics Department Chairman's Discretionary Fund.
- \$ 7,666.00 Bell Labs, Murray Hill, New Jersey, for Department of Computer and Information Science Chairman's Discretionary Fund.
- \$ 7,500.00 Benua Foundation, Columbus, Ohio--\$5,000.00 for Research in Cardiovascular Surgery Fund and \$2,500.00 for Friends of WOSU.
- \$ 7,000.00 Chicago Corporation, Chicago, Illinois, for Chicago Corporation Fund.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts of \$5,000 or More (contd)

- \$ 7,000.00 Eli Lilly & Company, Indianapolis, Indiana, for Eli Lilly and Company Organic Chemistry Research Fund.
- \$ 7,000.00 FMC Corporation, Chicago, Illinois--\$5,000.00 for College of Engineering Special Fund and \$2,000.00 for Pharmaceutical/Research Education Fund.
- \$ 7,000.00 The Upjohn Company, Kalamazoo, Michigan, for Lipid Research.
- \$ 6,000.00 ARO Corporation, Bryan, Ohio, for Fluid Power Fund.
- \$ 6,000.00 Distillers Feed Resource Council, Cincinnati, Ohio, for Horticulture Processing Fund.
- \$ 6,000.00 Glass Packaging Institute, Washington, D. C., for Engineering Mechanics Chairman's Discretionary Fund.
- \$ 6,000.00 Edgar W. Ingram Foundation, Columbus, Ohio--\$4,000.00 for Student Athlete Grant-in-Aid Fund and \$2,000.00 for Friends of WOSU.
- \$ 6,000.00 Reynolds Industries, Inc., Winston-Salem, NC--\$5,000.00 for Furtherance of Extension Work with Tobacco and \$1,000.00 for Department of Preventive Medicine Fund.
- \$ 5,625.00 American Lung Association of Central Ohio, Columbus, Ohio, for Pulmonary General Fund.
- \$ 5,000.00 Cleveland Electric Illuminating, Cleveland, Ohio, for Ohio Electric Utility Institute Fellowship Fund.
- \$ 5,000.00 Ohio Farm Bureau, Columbus, Ohio--\$2,500.00 for Roy M. Kottman Scholarship Fund and \$2,500.00 for Cooperative Business Fund.
- \$ 5,000.00 Peat Marwick Mitchell, New York, New York, for Peat, Marwick, Mitchell Discretionary Fund.

Gifts-in-Kind

- \$ 90,250.00 Philip Sills, Bronx, New York, A Collection of Illuminated Bible Leaves.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Gifts-in-Kind (contd)

- \$ 32,625.00 Geri Greenberg, Elk Grove, Illinois, A Collection of Bible Leaves.
- \$ 32,625.00 Michael Greenberg, Elk Grove, Illinois, A Collection of Bible Leaves.
- \$ 32,000.00 Kaiser Aluminum and Chemical, Oakland, California, ASTM C-201 Therma. Conductivity Tester.
- \$ 13,100.00 Oleg Cassini, New York, New York, Clothes.
- \$ 11,250.00 Jack Strader, Columbus, Ohio, Steinway Baby Grand Piano.
- \$ 6,800.00 Frank Winder, New Haven, Connecticut, 595 Alinari Photographs.
- \$ 5,750.00 Charles Hoff, Massillon, Ohio, Seventeen French Bible Manuscript Leaves, 13th Century.
- \$ 5,750.00 Mrs. Hoff, Massillon, Ohio, Seventeen French Bible Manuscript Leaves, 13th Century.

Establishment of Named Funds

The Irma Cooper Vocal Scholarship Fund

The Irma Cooper Vocal Scholarship Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Professor Irma Cooper (Emeritus), of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be awarded on a merit basis to one or more talented singers who either are or will become voice majors in the School of Music. Both undergraduate and graduate students are eligible to receive the scholarships. Recipients will be determined by the established procedures within the School of Music, with approval by the Director of the School of Music in consultation with the appropriate voice faculty. The Director will also approve requisitions for payment.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for music education, with an emphasis in the performing aspects of music.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Elderkin Scholarship Fund**

The Elderkin Scholarship Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Roland D. Elderkin, B.A., 1934.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual interest of the fund is to be used to provide one or more scholarships to deserving University students who exhibit both financial need and academic promise. Selection of the recipient(s) is to be made by the University Scholarship Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University then directly responsible for student financial aid.

**Glenn A. Fry Professorship Endowment Fund**

The Glenn A. Fry Professorship Endowment Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and alumni of the College of Optometry in honor of Dr. Glenn A. Fry, Professor Emeritus, 1979.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

Interest from this endowment is to accumulate and be added to gifts received from alumni and friends until such time as the endowment reaches the minimum level to support a professorship in physiological optics within the College of Optometry. Nominees for appointment to this professorship are to be made by the Dean of the College of Optometry.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for optometric education.



May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Pamela L. Blakeslee Memorial Scholarship Fund in Veterinary Medicine**

The Pamela L. Blakeslee Memorial Scholarship Fund in Veterinary Medicine was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Jean K. Blakeslee Family of Bordentown, New Jersey; from students, friends, and alumni of the Colleges of Veterinary Medicine and Agriculture and Home Economics; and from the Sigma Alpha Professional Agricultural Sorority.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for Veterinary Medicine college students who are graduates of The Ohio State University and have demonstrated academic ability and the need for financial assistance. The selection of the recipients is to be made by the College Scholarship Committee, with first preference to students who have financial need and who have been pre-veterinary Animal Science majors in the College of Agriculture and Home Economics of The Ohio State University. The selection will be approved by the Dean of the College of Veterinary Medicine.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medical education.

**The Harold E. Kaeser Endowed Scholarship Fund**

The Harold E. Kaeser Endowed Scholarship Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from former judging team members and alumni, friends and colleagues of Harold E. Kaeser who retired in 1980 after 39 years as a Professor of Dairy Science and Coach of Dairy Science Judging Teams.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships to students enrolled in the College of Agriculture and Home Economics at The Ohio State University majoring in Dairy Science with intent to pursue a career in the dairy industry. Students selected should have above average academic ability, demonstrated leadership and a demonstrated or expressed interest in exhibiting and evaluating dairy cattle.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Establishment of Named Funds (contd)

The Harold E. Kaeser Endowed Scholarship Fund (contd)

Should the need for this scholarship cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Chairman of the Dairy Science Department and the Dean of the College of Agriculture and Home Economics.

The Julie Ann Klein Award in Food Science and Nutrition

The Julie Ann Klein Award in Food Science and Nutrition was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University in her honor by her family.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as the occasion dictates.

The annual income is to be used for an annual award to a junior student in the Department of Food Science and Nutrition. Basis for the awards will emphasize participation in extra-curricular activities as well as scholastic achievement. Selection will be made by an award committee of the Department.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Vice President for Agriculture Administration or from the appropriate administrative official of the University who is then responsible for study related to the field of Food Science and Nutrition.

John T. Mount Leadership Fund

The John T. Mount Leadership Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts from members of the Citizens Council of The Ohio State University at Lima and friends. The fund recognizes the dedication, the friendship and the leadership provided by John T. Mount to members of the Citizens Council and to The Ohio State University at Lima.

The original gifts and all subsequent gifts to this fund are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**John T. Mount Leadership Fund (contd)**

The annual income is to be used in support of programs designed to award and encourage student leadership and faculty excellence at The Ohio State University at Lima. A portion of the income will be used annually to present an award to a student and to a faculty member who excel in leadership and excellence. The remainder of the income will be used to encourage programs that provide initiative for students and for faculty to develop in the direction exemplified by recipients of this award. All expenditures must be approved by the dean and director of the Lima Campus.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference given to the recommendations of the dean and director of the Lima Campus.

**The Jane Shanely Phi Upsilon Omicron Fellowship Fund**

The Jane Shanely Phi Upsilon Omicron Fellowship Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Gamma Alumni Chapter of Phi Upsilon Omicron, an honor society in Home Economics, in memory of Jane Shanely, B.S., 1927, Home Economics, Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more fellowships for graduate students enrolled in the School of Home Economics Graduate Program. The recipient(s) must have maintained a minimum 3.00 grade point average and must be a Phi Upsilon Omicron alumnus. The selection of the recipient(s) is to be made by the School of Home Economics Graduate Fellowship Committee in cooperation with the Phi Upsilon Omicron Alumni Scholarship Chairperson.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the appropriate administrative official of the University who is then directly responsible for home economics.

**The Student Tribute to Education Professors Award**

The Student Tribute to Education Professors Award was established May 5, 1983, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Student Tribute to Education Professors Award (contd)**

Development Fund from alumni, friends and colleagues to honor College of Education Professors.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income from the fund is to be used to provide one or more awards for graduate students working toward a Ph.D. degree in the College of Education. The award will be used to attend professional meetings, conferences and seminars, or to travel for professional development purposes.

Award recipient(s) will be selected annually by a College of Education Awards Committee, in coordination with the Dean of the College of Education from recommendations by faculty advisors. Any income not used in a given year should be added to the principal at the direction of the Dean of the College of Education.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever within the College of Education as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Education.

**Change in Name of Fund**

**Wendell W. Ellenwood Scholarship Fund**

The Wendell W. Ellenwood Scholarship Fund was established May 5, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and alumni of the Ohio Unions. This fund, originally established on December 10, 1981, has been renamed in honor of Wendell W. Ellenwood for his 25 years of leadership at the Ohio Unions.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarships for students participating in Ohio-Drake Unions activities who have demonstrated a need for financial assistance. The selection of the recipient is to be made upon the recommendation of the Director of the Ohio Unions in cooperation with the University Scholarship Committee and the Board of Governors of the Ohio-Drake Unions Activities Alumni Association.

May 5, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

Change in Name of Fund (contd)

**Wendell W. Ellenwood Scholarship Fund (contd)**

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the Ohio Unions' activities.

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President Jennings called on Vice President Jackson to present the items on the agenda pertaining to the business and finance area.

**EMPLOYMENT OF ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS  
McCracken Power Plant, Coal-fired Boiler**

Resolution No. 83-131

*Synopsis: Authorization to employ an engineering firm, solicit construction bids, and recommend the award of contracts for the McCracken Power Plant coal-fired boiler project is proposed.*

WHEREAS the Board of Trustees, on April 1, 1983, authorized the issuance and sale of either General Receipts Bonds, Series 1983, or General Receipts Bond Anticipation Notes, Series 1983, as determined by the University, in an amount not to exceed \$18,500,000.00 to finance engineering and construction of a new coal-fired boiler at McCracken Power Plant and other related improvements; and

WHEREAS the total construction cost of this project is not to exceed \$18,500,000.00, and it is anticipated that this new boiler will save the University as much as \$150,000,000.00 in fuel costs over the next 20 years; and

WHEREAS this construction will provide for the replacement of an old coal-fired boiler with a new energy efficient coal-fired boiler, including coal storage and handling, ash handling, environmental control system for sulfur dioxide and particulate removal in accordance with current Environmental Protection Agency requirements; extension of the steam and steam condensate distribution systems to serve all facilities in the Midwest Campus, Biological Sciences Building, Drake Union, Lincoln Tower, Morrill Tower, Parks Hall and supplementary services to University Hospital facilities; upgrading of McCracken Power Plant including replacement of ungrounded 480-volt electrical system, replacement of No. 2 air compressor, and miscellaneous floor and window replacements; and the expansion of steam and condensate services and capacities in 18th Avenue and 19th Avenue:

May 5, 1983 meeting, Board of Trustees

**EMPLOYMENT OF ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS  
McCRACKEN POWER PLANT, COAL-FIRED BOILER (contd)**

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Finance be authorized to select, in consultation with the Department of Administrative Services, Division of Public Works, a qualified engineering firm for this project to provide final design, bid documents, and construction inspection for the new coal-fired boiler, and that the fee for these engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance be authorized to request construction bids for this project in accordance with established procedures and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-132

*Synopsis: Approval of plans and specifications for the following project is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following project:

**LAW BUILDING, AIR CONDITIONING SYSTEMS IMPROVEMENTS**

Project: Convert the original multizone air conditioning systems, AC-4 and 5, to an energy efficient variable volume system to correct present environmental problems caused by inadequate ventilation capacity and perform necessary associated work.

Funding: Budget Account 210134, Contract Repair

Estimated Project Cost: \$180,375.00

May 5, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

NOW THEREFORE

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for this project and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Berry, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENTS  
OHIO EDISON  
FARM SCIENCE REVIEW**

Resolution No. 83-133

*Synopsis: Authorization to grant easements to Ohio Edison is requested.*

WHEREAS Ohio Edison has requested four easements across a total of 4,672 feet of College of Agriculture land located at the Farm Science Review in Madison County, Ohio, to permit the installation of electrical transmission lines to service farm operations buildings on the property; and

WHEREAS these lines will be located so as not to interfere with any farm operations and will result in the removal of existing poles; and

WHEREAS the electrical transmission lines for which the easements are requested serve only University facilities; and

WHEREAS the appropriate University agencies have recommended that these easements be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for the easements.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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May 5, 1983 meeting, Board of Trustees

**EASEMENT - HOPCO RESOURCES, INC.  
POMERENE FOREST LABORATORY, COSHOCTON COUNTY, OHIO  
Resolution No. 83-134**

*Synopsis: Authorization to grant an easement to Hopco Resources, Inc. is requested.*

WHEREAS Hopco Resources, Inc. has requested an easement across approximately 1,450 feet of Ohio Agricultural Research and Development Center land located at the Pomerene Forest Laboratory in Coshocton County to permit them to install a 2-inch gas line; and

WHEREAS the gas line will be located so as not to interfere with any OARDC operations; and

WHEREAS Hopco Resources, Inc. will pay the University \$9.90 per lineal rod (approximately \$870.00) for this easement; and

WHEREAS the appropriate University agencies have recommended that this easement be granted:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for this easement.

Upon motion of Dr. Jacob, seconded by Mr. Galbreath, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EXPRESSION OF APPRECIATION TO ROBERT A. BURNHAM  
Resolution No. 83-135**

WHEREAS as part of an organizational realignment to enhance certain vital functions of the University, President Edward H. Jennings established the Office of Communications and Development in the spring of 1982; and

WHEREAS President Jennings asked Dr. Robert A. Burnham to assist in the organization and development of that new function on a temporary basis, serving in the capacity of Acting Vice President for Communications and Development until a search could be conducted and a regular appointment made to that position; and

WHEREAS Bob Burnham agreed to serve in that acting position, one which demanded an enormous amount of time, energy, understanding and leadership ability, all of which qualities Dr. Burnham brought to the position; and



May 5, 1983 meeting, Board of Trustees

**EXPRESSION OF APPRECIATION TO ROBERT A. BURNHAM (contd)**

WHEREAS after a lengthy and thorough search process, Thomas L. Tobin has been appointed as Vice President for Communications and Development and Dr. Burnham has resumed his duties as Dean of the College of Education:

NOW THEREFORE

BE IT RESOLVED, That the gratitude and deep appreciation of this Board be expressed to Dr. Burnham for his willingness to provide leadership during the period of transition in connection with the establishment of the Office of Communications and Development, and for his tireless efforts on behalf of the University in the capacity of Acting Vice President during the last year.

Upon motion of Mr. Hilliker, seconded by Dr. Jacob, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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At the request of President Jennings, Mr. Berry convened the Student Affairs Committee.

Deb Cassidy distributed copies of the *Graduate Voice* which is the quarterly newsletter to report on the activities of graduate students.

Colleen O'Brien reviewed the past year and some of the accomplishments of the Undergraduate Student Government. Last June when assuming the presidency of the USG she had expressed her thoughts and feelings concerning what she had hoped to achieve. One of her concerns had been the lack of continuity of the workers in the student government from one year to the next. She reported that USG has a student base that is supportive of the new administration and thus will have continued organizational continuity for the coming year. Colleen introduced Todd Shaver and Lisa McGlone, the new president-elect and vice president-elect, respectively.

Todd Shaver enumerated some of the upcoming projects which USG has planned. One of the highlights of the Autumn Quarter will be a motorcoach trip to Norman, Oklahoma, for the Oklahoma-Ohio State football game on September 17, 1983.

Mark Berry of Ohio Staters, Inc., outlined plans for their project entitled "Sing Ohio's Praise Week." This week is designed to increase student awareness of the academic excellence that is available to them at The Ohio State University. During the week of May 15 through 21 there will be quarter-page ads in the *Lantern* which will focus on academic accomplishments at the University; National Merit Scholars and the number of class valedictorians; top ranked colleges and departments; and individual achievements.

Ohio Staters, Inc., will hand out 5,000 book marks that will contain some kind of information about Ohio State.

Mr. John Berry proposed the following proclamation in support of "Sing Ohio's Praise Week":

May 5, 1983 meeting, Board of Trustees

**PROCLAMATION - "SING OHIO'S PRAISE WEEK"**

Resolution No. 83-136

WHEREAS The Ohio State University is recognized nationally and internationally for the strength of its academic programs and attracts some of the nation's top scholars; and

WHEREAS students at The Ohio State University are not always familiar with the breadth of this strength, especially in areas outside their academic majors; and

WHEREAS "Sing Ohio's Praise" is a campaign designed and sponsored by Ohio Staters, Inc., a student-faculty service organization, to promote and encourage greater awareness of academic excellence at The Ohio State University:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees of The Ohio State University hereby proclaims the week of May 15 through 21, 1983, as "Sing Ohio's Praise Week" at The Ohio State University.

Upon motion of Mr. Berry, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Mr. John Berry presented the following resolution:

**RESOLUTION OF APPRECIATION FOR THE PARTICIPATION OF THE  
1982-83 STUDENT GOVERNMENT LEADERSHIP**

Resolution No. 83-137

WHEREAS the terms of office of the 1982-83 elected student officers are nearing completion; and

WHEREAS during the 1982-83 year this Board has received from leaders of the student governments numerous reports on projects, activities, interests and concerns; and

WHEREAS the Board recognizes that the student leaders this year have taken time from busy schedules and conflicting demands in order to bring to the attention of this Board matters and concerns of special interest to students; and

WHEREAS the participation of elected officers and other representatives of student groups in the deliberations of this Board has enhanced communication and understanding between the Board and the students as well as other constituencies:

May 5, 1983 meeting, Board of Trustees

**RESOLUTION OF APPRECIATION FOR THE PARTICIPATION OF THE  
1982-83 STUDENT GOVERNMENT LEADERSHIP (contd)**

NOW THEREFORE

BE IT RESOLVED, That the Trustees of The Ohio State University express to the presidents of the Undergraduate Student Government, the Council of Graduate Students and the Graduate-Professional Council their gratitude and appreciation for the contributions of those individuals and their colleagues during this year, and wish them every success and happiness in the pursuit of their interests and objectives in the years ahead.

Upon motion of Mr. Berry, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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President Jennings called on Dr. Haenicke to make an announcement.

**APPOINTMENT OF DR. FRANCILLE FIREBAUGH AS ASSOCIATE PROVOST**

Dr. Haenicke made the following statement:

I'm very pleased to inform the members of the Board that at the June meeting we will bring a request for approval that Dr. Francille Firebaugh be appointed Associate Provost, effective June 1. As you all know, Professor Firebaugh earned her Ph.D. at Cornell University, holds the rank of full professor in the School of Home Economics, served in a very distinguished fashion for many years as Director of that school, and most recently served the University as Acting Vice President for Agricultural Administration and Executive Dean of the College of Agriculture, including the School of Natural Resources and Home Economics. Francille and I have worked extremely well together during the last several months during the transition period. I have received, through her, an enormously interesting introduction into the problems that concern the agricultural sector of our school. I have admired during the last month that we have worked together, her commonsensical approach to administrative problems, her sensitivity to academic affairs, to faculty and student concerns, her good judgment in all these matters, and her high administrative talent. I am looking very much forward to her joining my office and I am sure that I'll be greatly assisted by that move and that the University is going to be extremely well served by this appointment, if the Board will approve it.

President Jennings stated further:

Thank you, Diether. I'd just like to--I think that is one of the fine appointments--we often talk about the appointments we make, but I think it is very clear with the work done this past year in the College of Agriculture that Francille has shown all of us, and I think the community at large, that she is truly one of the nation's

May 5, 1983 meeting, Board of Trustees

**APPOINTMENT OF DR. FRANCILLE FIREBAUGH AS ASSOCIATE PROVOST (contd)**

President Jennings (contd):

fine educational leaders in this country and we are delighted she is going to continue on in the leadership post and will be very beneficial to Ohio State and may make a farmer out of Diether and I yet.

Mr. Galbreath: She is good, but I don't know about that.

Dr. Haenicke:

She would be the third person in Agriculture in the Provost's office at that time. So we are surrounded by "aggies" up there.

Mrs. Bowser: I'm very happy about that.

President Jennings: We won't be able to defend ourselves.

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President Jennings called on Vice President Mount to make a presentation on the Regional Campuses.

**REPORT - REGIONAL CAMPUSES**

Vice President Mount reported that those involved with Regional Campuses are especially mindful of twenty-five years of service where the educational services of The Ohio State University have been attended through the offering of courses in the Lima, Mansfield, Marion, and Newark communities, a region that conservatively covers twenty-three counties. Since that time some 75,000 persons have earned credit through those facilities. The North Central Association Accreditation Team visited the Regional Campuses during the past year. They have formally notified the University that the Regional Campuses of Lima, Mansfield, Marion, and Newark have been accredited to be continued with the offering of lower division courses including the degree of associate of arts and a baccalaureate program in early and middle childhood education.

Dr. David Kramer, Dean/Director of the Mansfield Regional Campus, brought with him a brick which was made by John B. Conard, the grandson of John A. Conard, Sr., who made the bricks for the original University Hall. "This brick reminds us of our tie to the very origins of The Ohio State University and symbolizes those founders and loyal supporters on whose shoulders we stand," said Dr. Kramer. The primary mission of the Regional Campuses is to offer degree programs, but each of the Regional Campuses serve their communities in ways that go far beyond the traditional role. Dr. Kramer described a few of the community projects that the Mansfield Campus faculty work on each year. The entire campus has been made available to the community for a wide variety of meetings, banquets, fundraising events and other activities which bring more than 10,000 people to the campus each year.

May 5, 1983 meeting, Board of Trustees

### REPORT - REGIONAL CAMPUSES (contd)

Dr. Charles Bird, Associate Professor in the Department of Psychology, reported that the Mansfield Regional Campus has a faculty that is truly excellent in every sense of the word. Despite limited facilities, higher than normal teaching loads for OSU, and the lack of graduate students or advanced undergraduates, a high level of scholarly productivity is achieved. There will be two full professors and twelve associate professors on the Mansfield Campus next year. Dr. Bird expressed the view that there must be few places in the country where freshmen and sophomores receive instruction and guidance from such well established scholars in an atmosphere that encourages personal contact.

Vickie Lynn Echelberry, a senior in Early and Middle Childhood Education, was recognized at the President's Recognition Dinner as one of the top 400 seniors of The Ohio State University. She expressed her appreciation at having a Regional Campus with such fine facilities and an excellent faculty to guide the students in their studies. Mrs. Echelberry said there were many caring professors who don't try to tell their students what to think, but instead try to help them learn how to think.

James Miller, a junior student, represented the students who plan to go two years on the Regional Campus and transfer to the Columbus Campus. He transferred to the Columbus Campus as of Autumn Quarter, 1982. He feels that he has had the "best of both worlds" having had the experience of being on a small campus for two years then coming to the Columbus Campus. At Mansfield he indicated he found faculty, administration, and staff interested not only in a student's education, but also in helping students make the adjustment from high school to college.

Mrs. Jean Smith, speaking on behalf of the Citizens Council, thanked the Board of Trustees and the University administration for the recognition and support they had given to all the regional campuses--and especially the Mansfield Campus. She enumerated some of the activities that the Citizens Council had been involved in, in attempting to meet the needs of the constituent groups of the Mansfield Regional Campus. The National Commission's Education report has precipitated some stirring dialogue and grave concern among citizens and educators in the local community. Mrs. Smith pointed out that Ohio State must do what it can to encourage improvement in the local schools.

President Jennings then commented:

John, thank you and thank you all. I think there is a couple of things that bear emphasis which are somewhat subtle in the educational world. We were very pleased with the North Central report for full accreditation to the Regional Campuses. More subtly, what John pointed out, that the next North Central evaluation should incorporate the Regional Campuses, as well as the Columbus Campus, it's a very, very unusual statement to the quality of the Regional Campuses. The typical and indeed most usual accreditation process from North Central--four regional campuses is a separate accreditation for the Regional Campuses. The North Central statement that the Regional Campuses should be part of the entire accreditation process is coming from their belief that the educational process, the educational quality at the Regional Campuses is no different, is not significantly different than the Columbus Campus. And it really represents a maturing of the Regional

May 5, 1983 meeting, Board of Trustees

## REPORT - REGIONAL CAMPUSES (contd)

President Jennings (contd):

Campuses where an outside agency has said that our concept of one campus is really the case. I don't know of another regional campus system in the country that has now fully been incorporated by North Central which is the overall accrediting body for most of the United States where those regional campuses have had that large a compliment (and believe me it is a large compliment) to be incorporated with the main campus associated with it. And I think that bears emphasis too, that it's just not Dr. Kramer who is saying that the Mansfield, Lima, Newark, and the Marion Campuses are outstanding, it is a national organization that is saying that they are outstanding, as well.

I think secondly, it does bear repeating, and I am very pleased that the House Finance Committee looks as though they will recommend an increase in the Governor's recommendation of \$65 million. I should point out that that recommendation, while we appreciate their help, continues to fall far short of the needs of higher education in this state. We will be able to make progress on that, but our tuition as a percentage of the cost of education will continue to remain above 40 per cent--with the national norm is one-third--our tuition will remain high with that kind of recommendation. We are hopeful that the Senate in its wisdom will also be responsive to these needs and suggest a further increase beyond the House's recommendation.

Finally, I think--and Jean you reported to the National Report--I think it is also worth noting that despite budget problems--and *Time* magazine pointed out that Ohio (while *Time* magazine said the State of Ohio, I think what they meant was Ohio State) had already adopted many of the recommendations that were in that report and essentially Ohio State and the State of Ohio are at least two years ahead of the rest of the nation in addressing some of the problems--in not only higher education, but primary and secondary education. But, we thank you folks very much and I can assure you that nobody on this Board thinks you are an "old" student. And we appreciate your time and look forward to having lunch with you. Thank you for your report and thank you, John.

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## APPRECIATION TO WARREN J SMITH

President Jennings made the following statement:

We have one more item before we adjourn, Mr. Chairman. The May meeting is in some ways always a sad event and we at The Ohio State University would like to express our great appreciation in our small way of what Mr. Warren Smith has done for The Ohio State University in these past nine years. I certainly appreciated all your help during the last two years, Warren, and it's a small token of our appreciation and we appreciate that very much at your last meeting.

May 5, 1983 meeting, Board of Trustees

**APPRECIATION TO WARREN J SMITH (contd)**

President Jennings presented Mr. Smith with a gavel in recognition of outstanding service as a member and chairman of this Board:

**WARREN J SMITH**

in appreciation of his service

to the Board of Trustees of

The Ohio State University

Member 1975-1983

Chairman 1982-1983

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-138

RESOLVED, That the report on the University's Investment Portfolio, dated April 15, 1983, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, June 9, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

Warren J Smith  
Chairman

APPENDIX IV

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

June 10, 1983



Page 558 is blank

## Commencement Speaker



### **George Bush**

Vice President of the United States

The Ohio State University, in this its 284th Commencement ceremony, is deeply honored by the presence of the Vice President of the United States, George Bush. The University is pleased to bestow upon Vice President Bush its highest honor, the degree Doctor of Humane Letters, honoris causa.

Edward H. Jennings  
President

## Recipients of Honors

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### **Benjamin S. Bloom**

Doctor of Humane Letters

An internationally recognized leader in education, Benjamin Bloom has greatly affected modern educational reform. Since he received his doctorate from the University of Chicago in 1944, he has been studying, evaluating, and challenging how children are educated. Dr. Bloom is the author of *Taxonomy of Educational Objectives*, a seminal work in his field. In all, he has written 16 books and is a contributing author to 17 others. He has published many articles on education and served as an editorial consultant to leading professional journals in education.

Dr. Bloom is one of the founding members of the International Association for the Evaluation of Educational Achievement and a fellow of the American Psychological Association. He is also a member and former president of the American Educational Research Association. A teacher for more than 40 years, he is now the Distinguished Service Professor of Education at the University of Chicago.

The University is proud to recognize Dr. Bloom for his many contributions to education and for fostering the development of America's most precious resource—our children.

### **George Bush**

Doctor of Humane Letters

Vice President Bush's service to his country dates back to World War II. Upon graduating from Phillips Academy in 1942, he immediately enlisted in the U.S. Navy at 18, becoming the youngest commissioned pilot in the Navy at that time. After the war, he entered Yale University, where he majored in economics, and in 1948, he was graduated Phi Beta Kappa.

In 1966 he was elected to the U.S. House of Representatives. As a congressman he worked on legislation dealing with problems of excessive government spending and inflation, national defense, civil rights, quality education, natural resources, and the environment. From 1971 to 1973, he was the United States Ambassador to the United Nations and in 1974 became the chief of the U.S. Liaison Office in the People's Republic of China. He was then appointed director of the Central Intelligence Agency.

He was nominated by his party for the vice presidency in July of 1980. Mr. Bush was then elected vice president designate of the United States in November and sworn into office as the 43rd vice president of the United States in January of 1981.

In bestowing this honor, the University seeks to recognize Vice President Bush for his many years of dedicated public service and is honored to have him address the graduates of its 284th Commencement.

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## Vincent T. DeVita Jr.

Doctor of Science

A tireless researcher, Dr. Vincent DeVita is widely known for his work in developing the curative drug therapy for Hodgkin's disease. He and his colleagues at the National Institutes of Health developed a four-drug combination that increased the cure rate for patients with advanced Hodgkin's disease from nearly zero to 50 percent. In 1972, he received the Albert and Mary Lasker Medical Research Award for his work on Hodgkin's disease. He also played a major role in developing curative combination chemotherapy treatment for a common non-Hodgkin's lymphoma as well as similar treatments for cancers of the ovary and breast.

A prolific writer, Dr. DeVita is the author or coauthor of more than 300 scientific papers and the coauthor of a major textbook in cancer medicine—*Cancer Principles and Practice of Oncology*. He also serves on the editorial boards of numerous scientific journals.

A recipient of many honors and awards, Dr. DeVita received the Griffuel Prize; the Superior Service Award of the Department of Health, Education, and Welfare; the Alumni Medallion of the College of William and Mary; and the Langer Award. He received his bachelor's degree in 1957 from the College of William and Mary and in 1961 was graduated with distinction from the George Washington University College of Medicine, where he later served as a professor of medicine. Dr. DeVita joined the National Cancer Institute in 1963 and has served as its director since July of 1980.

The University is proud to honor this great researcher, teacher, and healer by bestowing upon him the degree of Doctor of Science, honoris causa.

## Frank Press

Doctor of Science

Dr. Press is recognized internationally for his pioneering contributions in geophysics, oceanography, lunar and planetary sciences, and natural resource exploration. His primary scientific activities, however, have been in seismology and the study of the earth's deep interior. He has also led research efforts on earthquake prediction in the United States as well as efforts to foster international cooperation with Japan, the Soviet Union, and the People's Republic of China.

Dr. Press has a long career of public service, holding positions in the Kennedy, Nixon, Ford, and Carter administrations. He also participated in the bilateral science agreement negotiations with the Soviet Union and was a member of the U.S. delegation to the nuclear test ban negotiations in Geneva and Moscow.

He received his undergraduate degree in physics from the City College of New York and advanced degrees in geophysics from Columbia University in 1946 and 1949, when he joined the Columbia faculty. He also held positions at the California Institute of Technology and the Massachusetts Institute of Technology, where he was appointed Institute Professor in 1981. In that same year he was elected the 19th president of the National Academy of Sciences.

For his ongoing efforts to foster international cooperation, for his distinguished public service, and for encouraging basic research in the sciences—the University today honors Dr. Press by awarding him the degree of Doctor of Science.

# The Graduate School

Dean: Jules B. LaPidus

## Doctor of Philosophy

Linda Mae Adams, Atlanta, Ga.; B.S. (Albany State College); M.Ed. (Georgia State University); *Education*; *Dr. Martin L. Languis*

Abayomi Joseph Ajayi-Majebi Iyamotoye, Kwara State, Nigeria; B.Sc. (University of Lagos); M.S.; *Civil Engineering*; *Dr. Zoltan A. Nemeth*

Christine Ruth Albrighthouse, Gahanna; B.S.; *Pharmacology*; *Dr. Richard H. Fertel*

Trude Jean Amick, Roaring Spring, Pa.; B.A. (Franklin and Marshall College); *Chemistry*; *Dr. Harold Shechter*

Kristin Aronson, Waterbury, Conn.; B.A., M.A.; *Philosophy*; *Dr. Andrew G. Oldenquist*

John Steve Ballard, Dickinson, N. D.; B.A. (Utah State University); M.A. (Purdue University); *Romance Languages and Literatures*; *Dr. Grinor Rojo*

Thomas Jules Baribault, Metairie, La.; B.S. (Rensselaer Polytechnic Institute); M.S.; *Genetics*; *Dr. Randall L. Scholl*

Terry M. Barrett, Columbus; A.B. (Webster College); M.A.; *Art Education*; *Dr. Ross A. Norris*

Edna Helen Berry, Worthington; B.A. (Westminster College); M.A.; *Sociology*; *Dr. Kent P. Schwirvin*

Lynn Marie Blinn, Glens Falls, N. Y.; B.S. (State University of New York at Plattsburgh); M.H.Ed. (University of Arizona); *Home Economics*; *Dr. Joan E. Gritzmaecher*

Jan Marie Brecht, Columbus; B.S. (University of Iowa); M.R.C. (Bowling Green State University); *Education*; *Dr. Joseph J. Quaranta*

Raquel S. Calderon, Rio Peidras, Puerto Rico; B.A. (Polytechnic Institute of Puerto Rico); M.S.W. (Columbia University); *Social Work*; *Dr. Milton S. Rosner*

Craig Holyeross Canaday, Anderson, Ind.; B.A. (Miami University); M.S.; *Plant Pathology*; *Dr. August F. Schmittthemer*

Karen Rose Carney, Baltic; B.M. (Baldwin-Wallace College); M.A.; *Music*; *Dr. Jerry E. Louder*

Kenneth George Carpenter, Columbus; B.A., M.A. (Wesleyan University); *Astronomy*; *Dr. George W. Collins II*

Daniel Edward Chall, Flushing, N. Y.; B.S. (State University of New York at Albany); M.A.; *Economics*; *Dr. Donald R. Haurin*

Douglas Eugene Chismar, Mansfield; B.A. (The American University); M.Div. (Ashland Theological Seminary); *Philosophy*; *Dr. Andrew G. Oldenquist*

Hsin-Hsien Chung, Pingtung, Taiwan, R.O.C.; B.S.E.E. (Tatung Institute of Technology); M.S.; *Electrical Engineering*; *Dr. Walter D. Burnside*

Janis E. Clymer, Hilliard; B.S. (Youngstown State University); M.S.; *Physics*; *Dr. Chen Ping Yang*

Janet Powell Colaizzi, Delaware; B.A., M.A. (Duquesne University); *History*; *Dr. John C. Burnham*

Mark Leo Collins, Columbus; B.A., M.A. (University of Denver); *Biochemistry*; *Dr. Lee F. Johnson*

Janie B. Connell, Adel, Ga.; B.S., M.Ed. (Valdosta State College); *Vocational Education Comprehensive Program*; *Dr. Donald G. Lux*

William Crandell, Sylvania; B.A., M.A.; *History*; *Dr. Gary W. Reichard*

Donald Frank Cunningham, Shreveport, La.; B.B.A. (Baylor University); M.B.A. (North Texas State University); *Business Administration*; *Dr. Patric H. Hendershott*

Joseph Gerard D'Mello, India; B.Sc., M.Sc. (Bangalore University); M.A. (State University of New York at Stony Brook); *Mathematics*; *Dr. Manohar L. Madan*

Raymond Curtis Danziger, Hawthorne, N. J.; B.A. (Oberlin College); M.A.; *Health, Physical Education and Recreation*; *Dr. Barbara A. Nelson*

David Lane Darling, Jr., Columbus; B.S., M.S. (University of Massachusetts); *Agricultural Economics and Rural Sociology*; *Dr. George Morse*

Calvin Frederick Dill, Derry, N. H.; B.S., M.A. (University of New Hampshire); *Agricultural Education*; *Dr. J. Robert Warmbrod*

Amadje Djogo, Attiekoi, Ivory Coast, Anyama; DAG (University of D'Abidjan); M.S. (University of Illinois); *Agricultural Economics and Rural Sociology*; *Dr. Warren F. Lee*

Bruce Edward Duke, Nutley, N. J.; B.A. (William Paterson College); M.A.; *Education*; *Dr. James V. Wigtil*

Mary Stephen Eilts, Columbus; B.S., M.S.; *Electrical Engineering*; *Dr. Aaron A. Kstinski*

Errol Keith English, Monroe, N. C.; B.S. (North Carolina State University); M.S.; *Electrical Engineering*; *Dr. Benedict A. Munk*

Mahmoud Falaki, Iran; B.S. (The Mass Communication College); M.S. (Indiana University); *Education*; *Dr. William D. Dowling*

Elmer Jack Fashbaugh, Forest Lake, Minn.; B.S., M.A. (St. Cloud State University); *English*; *Dr. Christian K. Zacher*

Dale Michael Feinauer, Cincinnati; B.A. M.L.H.R.; *Labor and Human Resources*; *Dr. Steven C. Kelley*

Susan Ellen Feldman, New York City, N. Y.; B.A. (State University of New York at Buffalo); M.A.; *Psychology*; *Dr. Philip M. Clark*

Paul William Ferguson, Cincinnati; B.A. (Wabash College); M.S.; *Animal Science*; *Dr. Walter R. Harvey*

Deborah Jean Ferrante-Alexander, Cleveland; B.S. (Bowling Green State University); M.A. (Cleveland State University); *Education*; *Dr. John O. Cooper*

Mark Allen Fine, Toledo; B.A. (Cornell University); M.A.; *Psychology*; *Dr. Andrew I. Schoebel*

Suzanne Aleta Fisher, Columbus; A.B. (Vassar College); M.A.; *Music*; *Dr. William Poland*

Erik Harrower Forreth, Athens; D.A. (Edinburgh College of Art); A.T.D. (University of Edinburgh); *Art Education*; *Dr. Kenneth A. Marantz*

Jayne Lynn Foust, Columbus; B.S., M.Ed. (Miami University); *Vocational Education, Comprehensive Program*; *Dr. Thomas R. White*

Roberta Florence Freed, Columbus; B.S., M.A. (Kent State University); *Education*; *Dr. David L. Boggs*

Thomas Gabor, Ottawa, Ontario, Canada; B.A. (Loyola University of Montreal); M.A. (University of Ottawa); *Sociology*; *Dr. Simon Dinitz*

Amelia Gallagher, Nashua, N. H.; B.S., M.A.; *Psychology*; *Dr. John E. Horrocks*

Richard Edward Gans, Columbus; B.A. (University of Tampa); M.S. (University of South Florida); *Communication*; *Dr. Edward J. Hardick*

Pamela Kent Geyer, Columbus; B.S. (McGill University); *Biochemistry*; *Dr. Lee F. Johnson*

Pamela Suzanne Gimenez, Murcia, Spain; B.A. (Webster College); M.A.; *Art Education*; *Dr. Ross A. Norris*

Mary Therese Gnezda, Worthington; B.A. (Ohio Wesleyan University); M.S.; *Home Economics*; *Dr. Ellen Hock*

- Robin Jean Hailstorks, Washington, D. C.; B.S. (Morgan State University); M.A.; *Psychology*; Dr. Henry R. Angelina
- Dhananjay Hajela, Columbus; B.S., M.S.; *Mathematics*; Dr. William B. Johnson
- Dale Dawson Hancock, Stephenville, Tex.; B.S., D.V.M. (Texas A & M University); M.S.; *Veterinary Preventive Medicine*; Dr. Erwin M. Kohler
- Karen Vance Harper, Elkins, W. Va.; B.A. (Glenville State College); M.S.W. (West Virginia University); *Social Work*; Dr. Robert M. Ryan
- David Edward Harris, Tulia, Tex.; E.S., M.Ed. (Texas Technical University); *Agricultural Education*; Dr. Lawrence H. Newcomb
- Lee Webb Henderson, Columbus; B.S., M.S.; *Electrical Engineering*; Dr. Benedict A. Munk
- Hsu-Tao Ho, Taiwan, R.O.C.; B.S. (National Chung-Hsing University); M.S.; *Chemistry*; Dr. Perry A. Frey
- Robert Dale Hoffman, Westerville; B.S. (Michigan State University); M.S.; *Zoology*; Dr. Theodore A. Bookhout
- Jan Sigve Hoftun, Sauda, Norway; Cand.Mag. (University of Bergen, Norway); M.S.; *Physics*; Dr. Ta-Yung Ling
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- Brenda Lyn Kurlansik, Reading, Pa.; B.A.; *Photography and Cinema*
- Mark Benjamin Lambeth, Thomasville, N. C.; B.A. (University of North Carolina at Greensboro); *Philosophy*
- John C. Lanka, Worthington; B.A. (Ohio Dominican College); *Education*
- Jennifer Ann Lantz, Granville; B.A.; *Education*
- Beth Nall Latella, Perrysville; B.Mus.Ed. (Ohio University); *Music*
- Margaret Ann Law, Utica; B.S.; *Education*
- Veronica Webb Leahy, Columbus; B.A. (Worcester State College); *English*
- Eun-Young Lee, Seoul, Korea; B.A. (Sookmyung Women's University in Korea); *Education*
- Mal Hee Lee, Columbus; B.A. (Ewha Woman's College); *Education*
- Randall William Leite, Columbus; B.A. (Ohio Dominican College); *Education*
- Janet Lerner, Columbus; B.S.S.W.; *Interdisciplinary: Education and Anthropology*
- Michael Lorenzo Lewis, Louisville, Ga.; B.A. (Paine College); *Education*
- Edward Eugene Lightle, Washington C. H.; B.A.; *Public Administration*
- Shyang-Fuh Lim, Penang, Malaysia; B.A. (Denison University); *Economics*
- Rebecca Paxton Lloyd, Columbus; B.S.; *Education*
- Lawrence J. Loeber, Mansfield; B.A. (Case Western Reserve University); *East Asian Languages and Literatures*
- Nancy Lynette Louk, Elkins, W. Va.; B.A. (Mt. Vernon Nazarene College); *Education*
- Ted Dennis Mackey, Grove City; B.S. (Ohio University); *Education*
- Kerry Anne Maloney, Fairview Park; B.S. (Bowling Green State University); *Education*
- Diane Louise Mansfield, Columbus; B.A. (Wittenberg University); *Education*
- John-Anthony L. Marquardt, Springfield; B.A.; *Romance Languages and Literatures*
- William Marsiglio, Columbus; B.A. (Mansfield State College); *Sociology*
- Valencia Eloris Matthews, Lane, S. C.; B.A. (South Carolina State College); *Theatre*
- Anne F. Mattina, West Springfield, Mass.; B.A. (University of Massachusetts, Amherst); *Communication*
- Patricia Cameron McCann, Columbus; B.A. (Ohio Dominican College); *Education*
- John Jared McClintock, Columbus; B.A.; *Photography and Cinema*
- Elizabeth Anna McCrory, Newark; B.S.; *Communication*
- Jeffrey Scott Meredith, Henrietta, N. Y.; B.S. (State University of New York at Brockport); *Health, Physical Education, and Recreation*
- Nancy Jean Merrick, North Canton; B.S.; *Education*
- William V. Merriman, Westerville; B.S., M.S. (Northwestern University); *Political Science*
- Gbai Dobladey Metzger, Monrovia, Liberia; B.Sc. (Cuttington University); *Education*
- Barbara A. Millard, Clifton Park, N. Y.; B.S. (Emory University); *Psychology*
- Janice Lee Miller, Bellefontaine; B.S. (Miami University); *Education*
- Joyce N. Miller, Kenmore, N. Y.; B.A. (State University of New York at Buffalo); *Dance*

- Shirley Mapes Miller, Loudonville; B.S. (Bowling Green State University); *Education*
- Stephen Douglas Mills, Findlay; B.S.; *Health, Physical Education and Recreation*
- Zbigniew Krzysztof Mirski, Augsburg, Germany; B.A. (University of Lodz); *German*
- Sophia A. Mityagin, Columbus; B.S. (Kiev Medical School); M.S. (Voronezh State University); *Psychology*
- James Ferguson Monteith, Columbus; B.A. (Muskingum College); *History of Art*
- Joanne Marie Mooney, Columbus; B.A.; *Linguistics*
- Joseph Henry Mottola, Tuxedo, N. Y.; B.S.; *Health, Physical Education and Recreation*
- Jan Paula Murphy, Granville; B.S. (Miami University of Ohio); *Communication*
- Mark Edward Murphy, Upper Sandusky; B.S.; *Education*
- Vivian Mae Murray, Hebron; B.S. (Ohio University); *Health, Physical Education and Recreation*
- Judith Rush Murtha, Bexley; B.F.A. (Southeastern Massachusetts University); *Art Education*
- Pornartid Naruenartwanich, Bangkok, Thailand; B.A. (Chulalongkorn University); *Public Administration*
- Stephanie Ann Neff, Circleville; B.S. (Ohio University); *Education*
- Michele Marie Nemes, Worthington; B.A.; *Public Administration*
- Donald Keith Nichols, Columbus; B.A.; *Public Administration*
- Charlotte Lavern O'Neal, New Bern, N. C.; B.A. (Elizabeth City State University); *Communication*
- Susan Kaye Opt, Columbus; B.F.A. (Wright State University); *Journalism*
- Carolyn Ann Osenkowski, Taunton, Mass.; B.S. (Boston University); *Communication*
- James Carter Overholser, St. Paul, Minn.; B.A. (University of Minnesota); *Psychology*
- Susan Chappell Overton, Greensboro, N. C.; B.S. (University of North Carolina at Chapel Hill); *Education*
- Kavita Krishnakumar Pandit, Bombay, India; B. Arch. (Bombay University); *M.C.R.P.; Geography*
- Peggy Lee Papritan, Pickerington; B.A.; *Education*
- Robert George Paquette, Rochester, N. Y.; B.A. (University of Buffalo); *Philosophy*
- Sa-Myoung Park, Chindo, Chollanamdo, Korea; B.L. (Seoul National University); *Political Science*
- Sheila Jeanette Parker, Spotsylvania, Va.; B.A. (Norfolk State University); *Psychology*
- Nancy Carol Pastrana, Lima; B.S.; *Education*
- Judith Jean Peck, Northfield; B.S. (Kent State University); *Dance*
- Thomas Steven Peet, Westerville; B.S., M.A.; *History*
- Jayne Lyn Peitzke, Columbus; B.A.; *Music*
- Michael Lewis Perkins, Columbus; B.S.; *Education*
- Nancy Ann Perrin, Encino, Calif.; B.A. (University of California at Los Angeles); *Psychology*
- Joe Perrotta, New Castle, Pa.; B.A. (Youngstown State University); *Romance Languages and Literatures*
- Richard Lee Pierce, Poquoson, Va.; B.A. (The Citadel); *History*
- Kristine May Pierre, Drayton Plains, Mich.; B.A. (Western Michigan University); *Education*
- Craig W. Platt, Columbus; B.A. (Simon's Rock College); *Psychology*
- William Galvin Platz, Columbus; B.A.; *English*
- Sister Rosalie H. Politsky, Youngstown; B.F.A. (Kent State University); *Art Education*
- Joellen Popma, Toledo; B.A.; *Education*
- Susan H. Porter, Worthington; A.B. (Ohio University); *Journalism*
- Anne K. Powers, Columbus; B.S.; *Education*
- Stephen Thomas Prystash, Youngstown; B.G.S. (Capital University); *Education*
- Stephen Edward Puican, Akron; B.A. (Kent State University); *Economics*
- Cynthia A. Pullum, Plymouth; B.S. (Ashland College); *Education*
- Catherine Ward Quinn, Burnely, Lancashire, England; B.A. (University of Birmingham, England); *German*
- Linda K. Rasmake, Columbus; B.A., B.S.S.W. (Concord College); *Psychology*
- Venus Rauechai, Lampang, Thailand; B.A. (Chiang Mai University, Thailand); M.A. (Kasetsart University, Thailand); *Economics*
- Diane Lynne Rawlings, Euclid; B.A.; *Communication*
- Cecile Sahna Raynor, Paris, France; B.A. (Nouvelle Sorbonne); *Romance Languages and Literatures*
- Carl Alan Reed, Cleveland Heights; B.S.; *Health, Physical Education and Recreation*
- Denise Kay Reining, Mansfield; B.S. (Miami University); *Education*
- Shari Ellen Robins, Cleveland Heights; B.A.; *Education*
- Shelley Ann Saltzman, Freeport, N. Y.; B.A. (Columbia University); *Linguistics*
- Michael Eugene Samuels, Columbus; B.S. (Ohio University); *History*
- Paul Raymond Sanders, Columbus; B.A. (Indiana State University at Evansville); *History*
- Ernest Ricky Santiago, Waipahu, Hawaii; B.S. (Slippery Rock State College); *Education*
- Linda Glick Saperstein, Columbus; B.A. (Montclair State College); *Romance Languages and Literatures*
- Kim Livingston Sapp, Columbus; B.A. (Wittenberg University); *Education*
- Ann Baumgartner Schnapp, Columbus; B.M.; *Music*
- Gregory Dale Schoelles, Dover; B.A. (Ohio University); *Education*
- Teresa Roland Scholl, Columbus; B.S. (University of Dayton); *Education*
- Pamela Passante Scholz, Columbus; B.S.; *Education*
- Deborah Levine Schottenstein, Columbus; B.A.; *Journalism*
- Stephen Alan Schrum, York, Pa.; B.A. (Temple University); *Theatre*
- Robert Alan Schuette, St. Charles, Mo.; B.A. (Northwestern University); *German*
- James Alvin Scott, Jr., Columbus; B.S. (Virginia State University); *Education*
- Melinda Beth Segal, Columbus; B.A.; *Slavic and East European Languages and Literatures*
- Lauren Adele Sekola, Youngstown; B.Sc. (Ohio University); *East Asian Languages and Literatures*
- Kathleen Anne Sellers, Kenton; B.A. (Otterbein College); *Health, Physical Education and Recreation*
- Young Joong Seog, Columbus; B.A. (Korea University); *Slavic and East European Languages and Literatures*
- Ann G. Sexton, Barrington, R. I.; B.F.A. (University of Wisconsin at Milwaukee); *Dance*
- Naresh Bachubhai Shah, Sharon Hill, Pa.; B.S. (National Institute of Design); *Industrial Design*
- Robert Michael Shapter, Columbus; B.A.; *Journalism*
- Carolyn Ann Sheperd, West Unity; B.M. (Bowling Green State University); *Music*
- Marina Shmulevich, Columbus; B.A. (Moscow Foreign Language Pedagogical Institute); *Slavic and East European Languages and Literatures*
- Fred Chester Shoemaker, Westerville; B.A. (Otterbein College); *History*
- Allan Dennis Shore, Belding, Mich.; B.S. (Western Michigan University); *Sociology*
- Howard Prentiss Shores II, Keyser, W. Va.; B.A. (West Virginia University); *History*
- Gwen Paulett Sloas, Flemingsburg, Ky.; B.A. (Transylvania University); *Education*
- Gail Boydell Smith, Shauk; B.M.E. (Baldwin-Wallace College); *Education*

- Margaret Rose Smith, Columbus; B.S. (Kent State University); *Education*
- Nelson Gene Smith, Mt. Vernon; B.A. (Mt. Vernon Nazarene College); *Health, Physical Education and Recreation*
- Kurt Thrall Stroebel, Worthington; B.S. (Bowling Green State University); *Health, Physical Education and Recreation*
- Elinor Louise Swanson, Mt. Vernon; B.S. (St. Mary of the Wood College); *Education*
- Andrew Michael Swift, Hanover, Mass.; B.A. (Bridgewater State College); *Philosophy*
- Edna Tennenbaum, Columbus; B.A.; *Political Science*
- John Robert Thomas, Westerville; B.S.; *Political Science*
- Stuart Nelson Thomas, Dayton; B.A. (Southwest Baptist College); *Education*
- Dawn Marie Thompson, Greenwood, Ind.; B.A. (Wittenberg University); *Education*
- Dennis Harold Thompson, Columbus; B.A. (Warren Wilson College); *Theatre*
- Delores Weisheimer Toney, Columbus; B.F.A., B.A.; *Education*
- Nelson Ramon Torres, Columbus; Tech.Ed.Prof. (Pedagogic University, Barquisimeto); *Education*
- Kyoichiro Ueshima, Nagoya, Japan; B.A. (Aichi University); B.A. (Florida State University); *Education*
- Carla Ann Unroe, Cincinnati; B.A.; *Education*
- Joel Edwin Urbany, Lima; B.S.; *Business Administration*
- Elfe Margaret Vallaster, Vorarlberg, Austria; B.A. (University of Innsbrook); *German*
- Maria C. Vallaster-Bornhorst, Vorarlberg, Austria; B.A. (University of Dayton); *German*
- Nancy Faith Vandegriff, Cincinnati; B.A. (Ohio Northern University); *Education*
- Michael Francis Wagner, Pittsburgh, Pa.; B.A. (LaSalle College); *Communication*
- Le-Tuan Wang, Taipei, Taiwan, R.O.C.; B.L. (National Chung Hsing University); *Economics*
- Kathryn Ann Ward, Columbus; B.A. (Capital University); *English*
- Alan Jon Warner, Galloway; B.S.; *History of Art*
- Marilyn S. Warner, Columbus; B.S.S.W.; *Education*
- Elizabeth Riley Wasserman, Bridgeton, N. J.; B.A. (LaSalle College); *Education*
- Lisa Jane Weber, Ironton; B.A.; *Communication*
- Blanche Tyrene White, Waverly, Tenn.; B.A. (Middle Tennessee State University); *Political Science*
- Kevin Francis White, Worthing, United Kingdom; B.A. (University of Durham); *History*
- Patrice Lynn Whiteside, Vallejo, Calif.; B.A. (University of California, Irvine); *Dance*
- Mary Ellen Whitlatch, Shadyside; B.A.; *Communication*
- Theodore Wayne Williams, Morral; B.S.; *Psychology*
- David Harry Willison, Columbus; B.A.; *Political Science*
- Megan Irene Wills, Mt. Holly, N. J.; B.A. (Muskingum College); *Education*
- Zakaria Haji Yahya, Subang Jaya, S'gor, West Malaysia; B.Ec.Hons. (University of Malaya); *Education*
- Kevin Jon Yeats, Mentor; B.A. (Capital University); *Economics*
- Shirley Jo-ann Yee, Whippany, N. J.; B.A. (University of Scranton); *History*
- Ann Marie Yinger, Columbus; B.A., M.A.; *Education*
- James Michael Young, Columbus; B.A.; *History*
- Jeffrey Stewart Zeigler, Columbus; B.A.; *Education*
- Hana Zimmerman, Columbus; B.A.; *Education*
- Maria Zubkova, Painesville; B.A. (Kent State University); *Slavic and East European Languages and Literatures*
- Leonard Paul Zuehlke, Collegeville, Minn.; B.A. (St. John's University); *Education*
- Master of Business Administration**
- Deanna Lyn Addis, Springfield; B.A. (Eastern Kentucky University); *Business Administration*
- Gregory Earl Alston, Rocky Mount, N. C.; B.B.A. (North Carolina Central University); *Business Administration*
- Kalyani Balachandran, Hyderabad, India; B.A. (St. Francis' College, India); M.A. (Osmania University, India); *Business Administration*
- Elizabeth Ann Ballew, Columbus; B.S. (Miami University); *Business Administration*
- Robert Todd Barkley, Shaker Heights; B.G.S. (University of Michigan); *Business Administration*
- Ahmed M. Bastaki, Kuwait; B. Commerce (University of Bombay); *Business Administration*
- Frank Bellamy, Grove City; B.S. (Franklin University); *Business Administration*
- William David Bennett, Columbus; B.S.; *Business Administration*
- Ripley Norman Bode, Chagrin Falls; A.B. (Miami University); *Business Administration*
- Karen A. Brennan, Columbus; B.S. (Indiana University); *Business Administration*
- Charles William Brougher, Springfield; B.A. (Emory University); *Business Administration*
- Jocelyn Michelle Brown-Smith, Bangor, Me.; B.A. (Simmons College); *Business Administration*
- Pontip Bunnag, Bangkok, Thailand; B.P.S. (Chulalongkorn University); *Business Administration*
- David Burakoff, Mexico City, Mexico; Licenciature (Universidad Autonoma Metropolitana); *Business Administration*
- Kenneth Gregory Carter, Louisville, Ky.; B.S. (University of Louisville); *Business Administration*
- Ralph Joseph Cavallaro, Youngstown; B.S.; *Business Administration*
- Paul Christopher Cencula, Stow; A.B. (Ohio University); *Business Administration*
- Louis Worthington Cheffy, Barnesville; B.S. (Miami University); *Business Administration*
- Wen-Shian Chow, Taiwan, R.O.C.; B.A. (National Taiwan University); *Business Administration*
- Susan Beery Clark, Columbus; B.S.; *Business Administration*
- Carmon E. Cobe, Jr., Columbus; B.B.A. (Franklin University); *Business Administration*
- Thomas Jessen Conkle, Toledo; B.A., M.A.; *Business Administration*
- Juan Hamilton Crawford, Dublin; B.S., M.S. (Massachusetts Institute of Technology); *Business Administration*
- Paul Michael Cucci, Pittsford, N. Y.; B.S. (Cornell University); *Business Administration*
- Sharon Dee Cuppett, New Philadelphia; B.S.B.A.; *Business Administration*
- Robert C. Davidson, Columbus; B.A. (Ohio Wesleyan University); *Business Administration*
- Robert Michael DePalma, Columbus; B.S.; *Business Administration*
- Peter John DeWitt, Cleveland; B.S.; *Business Administration*
- Shelley Gaye Eckstein, Columbus; B.S.B.A.; *Business Administration*
- Mark David Ehren, Columbus; B.S.B.A.; *Business Administration*

Daniel Jay Feigelson, Cincinnati; B.B.A. (Emory University); *Business Administration*

Reginald R. Fenn, Cordele, Ga.; B.A. (Clark College); *Business Administration*

Roland Swaim Foster, Gainesville, Fla.; B.S. (University of Florida); *Business Administration*

John Dee Fraser, Akron; B.S.B.A. (Bowling Green State University); *Business Administration*

Dwight O'Brien Gaines, Seat Pleasant, Md.; B.S. (Morgan State University); *Business Administration*

Terrence Eugene Geremski, Toledo; B.B.A. (University of Toledo); *Business Administration*

Camille Maria Gibson, Columbus; B.A.; *Business Administration*

Kirithi Govindarajan, Columbus; B.S. (Sophia College); M.S. (Grant Medical College); *Business Administration*

Wendy Howard Gray, Columbus; B.A.; *Business Administration*

Gregory William Green, Warren, N. J.; B.B.A. (West Virginia University); *Business Administration*

Lucille Grena-Hewitt, Columbus; B.Sc. (Ohio University); *Business Administration*

Jeffrey Lawrence Groseclose, Galena; B.A. (Otterbein College); *Business Administration*

Mark Alan Hanak, Parma; B.S. (Arizona State University); *Business Administration*

Amy S. Hanna, Warren, Pa.; B.A. (College of Wooster); *Business Administration*

David Lewis Heminger, Fort Wayne, Ind.; B.A.; *Business Administration*

Robert Kent Henderson, Indianapolis, Ind.; B.S. (Indiana University); *Business Administration*

William Thomas Hinga, Jr., Fort Wayne, Ind.; B.A. (University of Notre Dame); *Business Administration*

Joyce Drake Hinton, Columbus; B.S.B.A.; *Business Administration*

Marianne Zeek Hite, Martins Ferry; B.S.; *Business Administration*

Robert Joseph Howard, Columbus; B.A. (Albion College); *Business Administration*

Dawyi Hsu, Taiwan, R.O.C.; B.Comm. (National Cheng-Chi University); *Business Administration*

David Scott Hunt, Cuyahoga Falls; B.B.A. (Ohio University); *Business Administration*

Juanita Beatrice Johnson, Baton Rouge, La.; B.A. (Dillard University); *Business Administration*

William Alan Kays, Columbus; B.S. (University of Illinois); *Business Administration*

Holly S. Keller, Columbus; B.S.; *Business Administration*

Mary Ellen Kelly, Coraopolis, Pa.; B.A. (Chatham College); *Business Administration*

Robert Nathan Kent, Jr., Granville; B.A. (College of Wooster); *Business Administration*

Cevdet Gerald Koksai, Chagrin Falls; B.S., M.S.; *Business Administration*

Leslie A. Koth, Green Springs; B.S. (Cleveland State University); *Business Administration*

Thomas Fulton Landholt, Columbus; B.I.E. (General Motors Institute); *Business Administration*

Charles Thompson Lawrence, Quinnesec, Mich.; B.A. (University of Michigan); *Business Administration*

Harry Joseph Levins, Columbus; B.S. (University of Dayton); *Business Administration*

Robert Eugene Lipetz, Columbus; B.A.; *Business Administration*

John Andrew Little, Woodville; B.S., Ph.D.; *Business Administration*

Frank R. Lowery, Jr., Columbus; B.A. (Miami University); *Business Administration*

Alan Scott Lurty, Willowick; B.Mus. (Kent State University); *Business Administration*

Joseph P. Mandl, Milwaukee, Wis.; B.S. (St. Norbert College); M.S. (University of Wisconsin at Milwaukee); *Business Administration*

Alvin H. Mayo, Jr., Columbus; B.S. (Duke University); *Business Administration*

Edward Donald McCallum III, Columbus; A.B. (Miami University); *Business Administration*

William Clarence McFarland III, Loyall, Ky.; B.S. (University of South Carolina); *Business Administration*

James Robert McGuinness, Jr., Aurora; B.A. (Georgetown University); *Business Administration*

William Alfred Miko, Cleveland; B.A. (Miami University); *Business Administration*

John Edward Miller, Worthington; B.S. (Franklin University); *Business Administration*

William Bascom Moore, Ironton; B.S.; *Business Administration*

Lisa Jane Morrison, Bedford; B.S. (Bowling Green State University); *Business Administration*

Richard E-Paul Morrison, Jr., Philadelphia, Pa.; B.S. (Temple University); *Business Administration*

Ronald Musilli, Buffalo, N. Y.; B.A.; *Business Administration*

Michael Laren Myrvold, Indianapolis, Ind.; B.S. (Indiana University); *Business Administration*

Timothy Jerome Neyer, St. Louis, Mo.; B.S.B.A. (University of Missouri at St. Louis); *Business Administration*

Blaine Harold Norris, Columbus; B.S.; *Business Administration*

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Thomas Franklin Olin, Jr., Columbus; B.A. (Wittenberg University); *Business Administration*

Donald Lee Paisley, Westerville; B.A. (Western Illinois University); M.A. (University of Michigan); *Business Administration*

Frances Ann Pandolfo, Columbus; B.S.; *Business Administration*

Elaine Diane Parras, Fairview Park; B.A. (The College of Wooster); *Business Administration*

James L. Perotti, Athens; B.A. (St. Meinrad College); Ph.D. (Duquesne University); *Business Administration*

Ellen Pogos, Columbus; B.A.; *Business Administration*

Glenn Alan Pusey, Russells Point; B.S. (Miami University); *Business Administration*

Darryl John Raimer, Cleveland; B.S. (University of Dayton); *Business Administration*

Susan Elizabeth Ramser, Danville; B.S.; *Business Administration*

Steven Philip Regoli, Columbus; B.S.; *Business Administration*

Arthur Frederick Reine, Jericho, N. Y.; B.S. (University of Maryland); *Business Administration*

Norman William Ritchie, Philadelphia, Pa.; B.A. (Pennsylvania State University); *Business Administration*

Dane Bevin Roberts, Westerville; B.S. (Miami University); *Business Administration*

Robert Joseph Rustic, Findlay; B.S. (Ohio University); *Business Administration*

Narinder Kumar Saini, Worthington; B.S.E.E. (Punjab University); M.S. (West Virginia University); *Business Administration*

Waymond Sanders, Jr., Baconton, Ga.; B.A. (Morris Brown College); *Business Administration*

Jerome Clarkson Sayre, Jr., Worthington; B.S.; *Business Administration*

Henry L. Schulte, Jr., Columbus; B.S. (University of Arizona); M.S.; *Business Administration*

James Eric Simler, Northfield; B.A. (Bowling Green State University); *Business Administration*

Constance Louise Simmons, Mansfield; B.A., M.P.A.; *Business Administration*

Susan Snyder Smith, Springfield; B.A. (Bowling Green State University); *Business Administration*

Susan Beth Spector, West Nyack, N. Y.; B.S. (Towson State University); *Business Administration*

Fredric Charles Spurck, Tiffin; B.S.; *Business Administration*

Melissa Anne Sternweiler, Cincinnati; B.S.; *Business Administration*

Roberta L. Stewart, Columbus; B.S.; *Business Administration*

Elizabeth Ann Sutherland, Berea; B.A.; *Business Administration*

Soo Lim Tan, Malacca, Malaysia; B.S. (Elmira College); *Business Administration*

Ronald D. Taulton, Enon; B.S. (Wright State University); *Business Administration*

Jeffrey Clark Timmons, Columbus; B.S.B.A. (Otterbein College); *Business Administration*

Stephen Bertram Tornes, Columbus; B.S.; *Business Administration*

Nancy Elizabeth Urbschat, Columbiana; B.A., B.S.; *Business Administration*

Raymond Alan Voelz, Bellevue, Neb.; B.S. (University of Nebraska—Lincoln); *Business Administration*

Richard Donald Watman, Columbus; B.S.; *Business Administration*

Diane Corcoran Whittaker, Columbus; B.S.; *Business Administration*

Stuart Allyn Whittaker, Columbus; B.S. (Cornell University); *Business Administration*

Leigh-Ann Williams, Canton; B.S. (Miami University); *Business Administration*

Richard L. Wohl, Columbus; B.A. (State University of New York at Binghamton); M.F.A. (University of North Carolina at Greensboro); *Business Administration*

Marlene A. Woo-Lun, Columbus; M.S.; *Business Administration*

Margaret Anne Wuorinen, Bexley; B.A.; *Business Administration*

Thomas Patrick Yuenger, Piqua; B.S.; *Business Administration*

David Alan Zimmer, Columbus; B.S.; *Business Administration*

## Master of City and Regional Planning

Timothy Michael Boland, Cleveland; B.S. (Miami University); *City and Regional Planning*

Maria A. Süniga Cadavid, Gahanna; B.S. (Universidad Laica Vicente Rocafrerte); *City and Regional Planning*

William Joseph Graves, Versailles; B.A.; *City and Regional Planning*

Jeffrey Grey Jackman, Columbus; B.S. (Brigham Young University); *City and Regional Planning*

Gwineth S. Kaminsky, Youngstown; B.S. (Muhlenberg College); *City and Regional Planning*

Martin Dale Kohler, Middletown; B.S. (Miami University); *City and Regional Planning*

Marcy Gerrard Kotting, Mayfield Heights; B.A.; *City and Regional Planning*

Hossein Habibpour Mamaghani, Tehran, Iran; B.S. (Oklahoma University); *City and Regional Planning*

Marcus John Molea, Athens; B.B.A. (Ohio University); *City and Regional Planning*

Praphon Prasertchaikul, Bangkok, Thailand; B.Arch. (Chulalongkorn University); *City and Regional Planning*

Judy Lynn Stewart, Fairlawn; B.A. (Miami University); *City and Regional Planning*

Joseph Allen Story, Paducah, Ky.; B.S. (University of Evansville); *City and Regional Planning*

Debra Sue Wolfe, Georgetown; B.A. (Case Western Reserve University); *City and Regional Planning*

## Master of Fine Arts

Richard Alan Ernst, Enterprise, Kans.; B.F.A. (Emporia State University); *Art*

Edward John Hallahan, Youngstown; B.F.A. (Youngstown State University); *Art*

John Stephen Kuhn, St. Joseph, Mo.; B.F.A. (Southwest Missouri State University); *Theatre*

Robert Thomas LaFerriere, Cherry Hill, N. J.; B.A. (Rutgers University); *Art*

Richard William McCracken, St. Louis, Mo.; B.F.A. (Southern Illinois University at Edwardsville); *Art*

Theodore James Murphy, Painesville; B.A. (Mt. Vernon Nazarene College); *Art*

Susan J. Reynolds, Vestal, N. Y.; B.F.A. (University of Cincinnati); B.A. (State University of New York at Albany); *Art*

Claudia Jacqueline Turner, Cleveland; B.F.A.; *Art*

## Master of Health Administration

David Brant Appel, Rocky River; B.A. (College of Wooster); *Hospital and Health Services Administration*

Gerard Anthony Baker, Huron; B.B.A. (University of Notre Dame); *Hospital and Health Services Administration*

Dennis Anthony Christen, Lima; B.A. (University of Chicago); *Hospital and Health Services Administration*

Stacey Todd Cyphert, Worthington; B.S.B.A.; *Hospital and Health Services Administration*

J. Michael Enos, Utica, N. Y.; B.S. (Utica College of Syracuse University); *Hospital and Health Services Administration*

Michael John Falatko, West Pittsburg, Pa.; B.A. (Youngstown State University); *Hospital and Health Services Administration*

Karen Frisina, Pittsford, N. Y.; B.S. (Centre College of Kentucky); *Hospital and Health Services Administration*

Nancy Ann Giunto, Toledo; B.S.; *Hospital and Health Services Administration*

Lisa June Hendricks, Seio; B.S.; *Hospital and Health Services Administration*

Steven Edson Hoover, Wanbagh, N. Y.; B.A. (Houghton College); *Hospital and Health Services Administration*

Thomas Michael Kirker, Zanesville; B.S. (Mount Union College); *Hospital and Health Services Administration*

Nicholas J. Lambrou, Canton; B.S.; *Hospital and Health Services Administration*

Lorin C. MacKay, Bountiful, Utah; B.S. (Weber State College); *Hospital and Health Services Administration*

Mary Diane Mahoney, Columbus; B.S.; *Hospital and Health Services Administration*

Evelyn Carol Peterson, Pittsburgh, Pa.; B.S. (University of Pittsburgh); *Hospital and Health Services Administration*

Dorcas Ann Spencer, Sitka, Alaska; B.A. (Northwest Nazarene College); *Hospital and Health Services Administration*

Kevin Mark Sullivan, Columbus; B.A. (Franklin University); *Hospital and Health Services Administration*

Irene Ann Timko, Hubbard; B.A.; *Hospital and Health Services Administration*

Tony Torres, Fort Worth, Tex.; B.S. (St. Louis University); M.A. (Central Michigan University); *Hospital and Health Services Administration*

## Master of Labor and Human Resources

- Lesta A. Chandler, Columbus; B.A.; *Labor and Human Resources*
- Paul Stanley Coz, Ravenna; B.S.; *Labor and Human Resources*
- Andris Eric Inveiss, Waukesha, Wis.; B.A.; *Labor and Human Resources*
- Rita Faye Johnson, Hayti, Mo.; B.S. (Lincoln University); *Labor and Human Resources*
- Michael Casey Murray, Cincinnati; B.A. (Xavier University); *Labor and Human Resources*
- Laura Renee Shoup, Rittman; B.A.; *Labor and Human Resources*
- Sandra J. Wilkins, Columbus; B.F.A. (Bowling Green State University); *Labor and Human Resources*
- Linda Marie Zimmerman, Groveport; B.A. (Kent State University); *Labor and Human Resources*

## Master of Landscape Architecture

- Timothy Paul Johnson, Columbus; B.S.L.A. (West Virginia University); *Landscape Architecture*

## Master of Music

- Calvin Alonzo Bolton, Union, S.C.; B.A. (Limestone College); *Music*
- Borden Anthonia Brown, Ashtabula; B.M., M.A.; *Music*
- David Michael Johnson, Cut Bank, Mont.; B.S. (Montana State University); *Music*
- Diane Danielle Johnson, Clyde; B.M.; *Music*
- Soon Won Kim, Columbus; B.M.D. (Seoul National University); *Music*
- Mark Alan Rush, Columbus; B.A., B.M.; *Music*
- Marilyn M. Shipman, Worthington; B.S., M.Ed. (Kent State University); *Music*
- Angela Ching-Chi Tam, Hong Kong; B.A. (Chinese University of Hong Kong); *Music*

## Master of Public Administration

- Melinda Lou Au, Mansfield; A.B. (Miami University); *Public Administration*
- Bruce Edward Butts, Enon; B.S. (Wright State University); *Public Administration*
- Steven Max Carter, Ashtabula; B.S.; *Public Administration*
- Mardy Robert Chaplin, Dayton; B.A. (Malone College); *Public Administration*
- Carol Sue Cyrus, South Point; B.S.S.W.; *Public Administration*
- Jeffrey Keene Darrah, Lyndhurst; B.A. (Hiram College); *Public Administration*
- Kevin Thomas Fenlon, Columbus; B.A. (University of Dayton); *Public Administration*
- Margaret Lynn Foley, Cincinnati; B.S. (University of Cincinnati); *Public Administration*
- Rita Faye Johnson, Hayti, Mo.; B.S. (Lincoln University); *Public Administration*
- Judith Ann Jones, Dublin; B.A., M.A. (Bowling Green State University); *Public Administration*
- Susan Lois Laufer, Cleveland; B.A.; *Public Administration*
- Diane Luteran, Garfield Heights; B.A.; *Public Administration*
- John Luteran, Garfield Heights; B.A. (Ohio Wesleyan University); *Public Administration*
- Sheila Elaine Milligan, Delaware; B.S.; *Public Administration*
- Randy Leon Mitchell, Jefferson City, Mo.; B.S. (Lincoln University); *Public Administration*
- Thomas Davis Moore, Huron; B.A. (Ohio Wesleyan University); *Public Administration*
- Mita Mukherjee, Calcutta, India; B.A. (Calcutta University); *Public Administration*
- Gregory N. Myers, Springfield; B.A. (Miami University); *Public Administration*
- Mary Kay Ruwette, Columbus; B.A. (Ohio Wesleyan University); *Public Administration*
- SueAnn Bridget Schwab, Pittsburgh, Pa.; B.A. (John Carroll University); *Public Administration*
- Laura Renee Shoup, Rittman; B.A.; *Public Administration*
- Nelson Theodore Smith, Springfield; B.A. (Wittenberg University); *Public Administration*
- Paul William Suddes, Youngstown; B.S. (Youngstown State University); *Public Administration*
- Anne Lynn Taylor, State College, Pa.; B.S. (Pennsylvania State University); *Public Administration*
- Brenda Louise Emanuel Thomas, Columbus; B.S. (University of Cincinnati); *Public Administration*
- Richard Walter Triebe, Des Plaines, Ill.; B.S. (Illinois State University); *Public Administration*

## Master of Science

- Beverly Leanora Anderson, Amityville, N. Y.; B.S. (Coppin State College); *Nursing*
- Marcia Lee Andrus, South Charleston; B.S.; *Agricultural Education*
- Dana Mark Archual, Akron; B.S. (University of Toledo); *Pharmacy*
- Brian Scott Armitage, Columbus; B.S., O.D.; *Physiological Optics*
- Cynthia Jayne Atman, Columbus; B.S. (West Virginia University); *Industrial and Systems Engineering*
- Bruce Barton Bailey II, Worthington; B.S. (United States Military Academy); *Geodetic Science and Surveying*
- Keith Alan Bailey, Middletown; B.S.; *Electrical Engineering*
- Bruce L. Baker, Columbus; B.S. (Ball State University); M.D. (Indiana University); *Medical Microbiology and Immunology*
- Dilli Ram Baral, Jhapa, Meechi Zone, Nepal; B.S. (Punjab Agriculture University); *Horticulture*
- Beverly Jean Bernados, Endicott, N. Y.; B.A. (State University of New York at Potsdam); *Mathematics*
- Melinda Kay Berry, Columbus; B.S.; *Preventive Medicine*
- Thomas Edward Bihari, New Philadelphia; B.S. (Kent State University); M.S.; *Computer and Information Science*
- George Thomas Black, Columbus; B.S. (University of Cincinnati); *Aeronautical and Astronautical Engineering*
- Neil Lawrence Blitz, Brooklyn, N. Y.; B.A. (Brooklyn College); D.M.D. (Tufts University); *Dentistry*
- Humberto Jorge Bohrt, LaPaz, Bolivia; B.S. (University of Arkansas); *Industrial and Systems Engineering*
- Myfanwy Jori Borel, Columbus; B.S.; *Home Economics*
- Alberta June Boyle, Nashport; B.S.N. (Capital University); *Nursing*
- Min-Chi Chang, Taipei, Taiwan, R.O.C.; B.S. (Taiwan Normal University); M.S. (National Central University); *Welding Engineering*
- Rey-Chen Chang, Taipei, Taiwan, R.O.C.; B.S. (National Chung Hsing University); *Chemical Engineering*
- Sudha Chauhan Jaunpur, U.P., India; B.S. (Benares Hindu University); M.S. (Madras University); *Pharmacology*
- Ashok Kumar Chawla, Columbus; B.S.; *Pharmacy*

- Chi-Yu Chen, Tainan, Taiwan, R.O.C.; B.S. (Tungshai University); *Chemical Engineering*
- Tzuyu Chen, Taipei, Taiwan, R.O.C.; B.S. (National Tsing-Hua University); *Metallurgical Engineering*
- Chen-Huan Chien, Taipei, Taiwan, R.O.C.; B.S. (Taiwan Provincial College of Marine and Oceanic Technology); *Civil Engineering*
- Karen Chisholm-Robeano, Westerville; B.S.N.; *Nursing*
- William L. Chlebowy, Buffalo, N. Y.; B.S.; *Civil Engineering*
- Jong Man Cho, Columbus; B.S. (National University, Jeonbuk, Korea); *Horticulture*
- Denis Eugene Clark, San Mateo, Calif.; B.S. (Cornell University); *Welding Engineering*
- Scotfield Dacosta Clarke, Barbados, West Indies; B.Sc. (University of The West Indies); *Electrical Engineering*
- Sandra Lee Conte, Columbus; B.S.; *Nursing*
- Brenda Lee Cousino, Toledo; B.S. (University of Toledo); *Pharmacy*
- Carl Rufus Crozier, Corpus Christi, Tex.; B.A. (Baylor University); *Botany*
- Linda Weber Daniel, Woodsfield; B.S.; *Allied Medical Professions*
- Lani Ann Davakis, Columbus; B.S. (Youngstown State University); *Physiological Chemistry*
- Margaret Gail DeJager, Granville; B.A. (Bowling Green State University); *Home Economics*
- Cleve Newton DeVault, Columbus; B.S.; *Civil Engineering*
- Brian Thomas DeWitt, Lyndhurst; B.S.; *Electrical Engineering*
- Michael Charles Deminsky, Mt. Vernon; B.S. (Ohio Northern University); *Pharmacy*
- Thomas Paul Diebold, Pittsburgh, Pa.; B.S. (Michigan Technological University); *Welding Engineering*
- Abdelhamid Djouadi, Khenchela, Algeria; Diploma (University of Oran, Algeria); *Electrical Engineering*
- Susan Rose Dombrowski, Storrs, Conn.; B.S. (University of Connecticut); *Pharmacy*
- Philippe Dubath, Geneva, Switzerland; M.F. (College of Geneva); D.D.P. (University of Geneva); *Physics*
- Jeffrey Lewis Duerk, Wadsworth; B.S. (Purdue University); *Electrical Engineering*
- Steven Henry Dzierba, Boston, Mass.; B.S. (Massachusetts College of Pharmacy); *Pharmacy*
- John Thomas Eggert, Columbus; B.S.; *Geology and Mineralogy*
- Theodosios Engelis, Athens, Greece; Surveying Eng. (University of Salonica, Greece); Certificate (National Geographic Institute, France); *Geodetic Science and Surveying*
- Nancy Ross Facklam, Worthington; B.Sc. (Cornell University); *Veterinary Pathobiology*
- Zahra Moh Fakhra, Kuwait, Kuwait; B.Sc. (New Mexico State University); *Horticulture*
- Michael Casey Farmer, Cincinnati; B.A. (Xavier University); *Agricultural Economics and Rural Sociology*
- Charles Philip Fenell, Cleveland; B.S., D.D.S.; *Dentistry*
- Harold Edward Flinn, Maquon, Ill.; B.S. (Bradley University); *Chemical Engineering*
- William John Flynn, Greenfield; B.A. (Otterbein College); *Physiological Optics*
- John Nicholas Freskos, Chagrin Falls; B.S. (Miami University); *Chemistry*
- John Francis Gardner, Cleveland; B.S. (Cleveland State University); *Mechanical Engineering*
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- Kathleen Ann Guthell, Grove City; B.S.; *Agricultural Education*
- Gabriel Antonio Guzman, Apartado, Moca, Dominican Republic; Licentiate (Universidad Catolica Madre y Maestra); *Agricultural Economics and Rural Sociology*
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- Lynne Degler Hall, Marysville; B.S.; *Home Economics*
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- Donald P. Hill, Westerville; B.S. (Michigan Technical College); *Metallurgical Engineering*
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- Carol Anne Holdaway, Tonawanda, N. Y.; B.S. (University of Georgia); *Dairy Science*
- Lisa Kay Holmes, New Concord; B.S.; *Agricultural Education*
- Vicki Lynn Horton, Cincinnati; B.S., D.V.M.; *Veterinary Physiology and Pharmacology*
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- Joan E. Krone, Columbus; B.S. (West Liberty State); M.S.; *Computer and Information Science*
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- Elisabetta Lidia Landi, Delaware; B.S.; *Mechanical Engineering*
- Claire Anne Latimer, Dublin; B.S. (Tufts University); D.V.M. (Michigan State University); *Veterinary Clinical Sciences*



- Sukhyung Lee, Seoul, Korea; B.S. (Seoul National University); *Mechanical Engineering*
- William Jay Leeper, Covington; B.A. (University of Wisconsin); *Electrical Engineering*
- Mary Elizabeth Leinbaugh, Upper Arlington; B.A., M.A. (University of Iowa); *Computer and Information Science*
- Nancy Kay Lewis, Ft. Wayne, Ind.; B.S. (Indiana University); *Allied Medical Professions*
- Der-Ming Lieu, Columbus; B.A. (National Taiwan University); M.A.; *Computer and Information Science*
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- Timothy J. Lipetz, Columbus; B.S. (University of Wisconsin at Madison); *Computer and Information Science*
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- Shou-Ming Liu, Taiwan, R.O.C.; B.S. (Taipei Medical College); M.S.; *Veterinary Physiology and Pharmacology*
- Wennie Lim Lloyd, Laguna, Philippines; B.S. (University of the Philippines); *Horticulture*
- Mike Frank Magyary, Powell; B.S.; *Natural Resources*
- Frank Thomas Marriott, Gahanna; B.S.; *Chemical Engineering*
- Michael James Martin, Lima; B.S.; *Civil Engineering*
- Michele Ann Martino, Hubbard; B.S.; *Animal Science*
- Christine Lynn McDowell, Youngstown; B.S. (Youngstown State University); *Horticulture*
- Carolyn Jane McQuatt, Delaware; B.A. (Ohio Wesleyan University); *Plant Pathology*
- Richard Keith Meister, Columbus; B.A.; *Molecular, Cellular and Developmental Biology*
- Ernst Menet, Gais, AR, Switzerland; Diploma (Federal Institute of Technology at Zurich); *Computer and Information Science*
- Milton Edson Miranda, Sao Paulo, Brasil; C.D. (Universidade Federal De Minas Gerais-Brasil); *Dentistry*
- Mark Anthony Moreno, Tampa, Fla.; B.S. (University of Florida at Gainesville); *Chemistry*
- Wieslaw Marian Mostowy, Canton; B.S.; *Entomology*
- Andrew Mwaba, Lusaka, Zambia; B.A. (University of Zambia); *Agricultural Economics and Rural Sociology*
- Jeffrey James Nieter, Lima; B.S.; *Mechanical Engineering*
- Kenneth Wayne Ollish, Cincinnati; B.S.; *Allied Medical Professions*
- Rodney Layne Osborne, Jackson; B.S.; *Nuclear Engineering*
- Maria-Belen Ines Pangilinan, Quezon City, Philippines; B.S. (University of the Philippines); *Statistics*
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- Daniel Mark Pavuk, Rossford; B.S. (Bowling Green State University); *Entomology*
- James M. Pelagatti, Lynn, Mass.; B.S. (Northwestern University); *Computer and Information Science*
- Kimberly Gayle Perrine, New Carlisle; B.S. (Wright State University); *Genetics*
- Wayne H. Pollock, Columbus; B.S. (State University of New York at Stony Brook); *Computer and Information Science*
- Lizabeth Prater, Houston, Tex.; B.S. (Prairie View A & M University); *Home Economics*
- Debra Joanne Queen, Hamilton; B.M. (Georgetown College); M.A.; *Computer and Information Science*
- Domingo Antonio Rengifo, Santiago, Dominican Republic; Ingeniero (University Catolica Madre y Maestra); *Agronomy*
- Helen Ann Ribbler, Olean, N. Y.; B.S. (Columbia University) *Nursing*
- James Alan Robbins, Columbus; B.S.E.E. (California State Polytechnic University); *Electrical Engineering*
- Marianne Roberts, Akron; B.S. (Iowa State University); *Horticulture*
- Jayne Byrne Robinson, Columbus; B.S. (Bowling Green State University); *Microbiology*
- Kent Lee Rogers, Grove City; B.S.; *Horticulture*
- Katsuyuki Sato, Tokyo, Japan; B.Eng. (Hiroshima University); M.Eng. (Kyushu University); *Electrical Engineering*
- Thomas Lyman Sefton, Dayton; B.S.; *Animal Science*
- Keith Lee Sellers, Marysville; *Physiological Optics*
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- Mary Ann Siders, Euclid; B.A.; *Geology and Mineralogy*
- Arun Bahadur Singh, Naraipur, Bihar, India; B.Sc. (Birla Institute of Technology, Ranchi); *Electrical Engineering*
- Joseph Francis Sjostrom, Columbus; B.S.; *Mathematics*
- Richard Terrence Smigel, South Euclid; B.S.M.E. (Cleveland State University); *Mechanical Engineering*
- Rickey L. Smith, Worthington; B.S. (Wayne State University); *Pharmacy*
- Victoria Lynn Smith, West Carrollton; B.S. (Ohio Northern University); *Plant Pathology*
- Mark Edward Stanley, Northvale, N. J.; B.A. (Colgate University); *Zoology*
- Jon Henry Sticklen, Ashley; B.S., M.S. (Columbia University); *Computer and Information Science*
- Kenneth Gene Surowitz, Green Bay, Wis.; A.B. (Lafayette College); *Microbiology*
- Samih Tarabiehi, Columbus; M.D. (Damascus University); *Ophthalmology*
- James Alan Tetz, Delaware; B.A. (Gettysburg College); D.M.D. (University of Louisville); *Dentistry*
- Vicente J. Tormo, Waterbury, Conn.; B.S. (University of Connecticut); *Pharmacy*
- Yu-Li Tsai, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan Normal University); *Microbiology*
- Shvy-Pyung Tzeng, Kaohsiung, Taiwan, R.O.C.; B.S. (Fu Jen Catholic University); *Food Science and Nutrition*
- Sridhar Vasudevan, Madras, India; B.Tech. (Indian Institute of Technology at Madras); *Computer and Information Science*
- Richard Paul Vetanovetz, Columbus; B.S. (Delaware Valley College); *Horticulture*
- Oskar von Dungen, Kommern, West Germany; *Electrical Engineering*
- Alejandro Voyest, Lima, Peru; B.A. (Ohio Wesleyan University); *Computer and Information Science*
- Shao-Wen Wang, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Welding Engineering*
- Jeffrey David Weidenhamer, Columbus; B.S. (Ashland College); *Agronomy*

Kathryn Lynn Weisenberger, Columbus; B.S.; *Pathology*

Sharon Jo Welter, Aurora, Ill.; B.S. (Bradley University); M.C.R.P.; *Civil Engineering*

Gregory Smith West, Spearsville, La.; B.S. (Louisiana Technical University); *Mechanical Engineering*

Paul Bunnell Westerfield, West Carrollton; B.S. (Michigan Technology University); *Computer and Information Science*

Mara Velme White, Columbus; D.D.S.; *Home Economics*

Karen Sue Wilson, Columbus; B.S.; *Chemical Engineering*

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Michael John Woloschak, Youngstown; B.S. (Mount Union College); O.D.; *Physiological Optics*

Yu-Chang Wu, Tainan, Taiwan, R.O.C.; B.S., M.S. (Tatung Institute of Technology); *Computer and Information Science*

Chun Chieh Yang, Taipei, Taiwan, R.O.C.; D.D.S. (National Taiwan University); *Dentistry*

Kyung Soo Yang, Seoul, Korea; B.S. (Seoul National University); *Mechanical Engineering*

Hsiu-Feng Yen, Miaoli, Taiwan, R.O.C.; B.S. (National Chung Hsing University); Diploma (University of Edinburgh); *Animal Science*

Ronald James Zaguli, Columbus; B.S.; *Aeronautical and Astronautical Engineering*

Gary Jay Zaremsky, Beachwood; B.S.; *Mechanical Engineering*

Nancy Jean Zurcher, Dover; B.S. (Kent State University); *Natural Resources*

## Master of Social Work

Carol Marie Armao, Painesville; B.A. (Kent State University); *Social Work*

Lee Ann Arnold, Massillon; B.S. (Bowling Green State University); *Social Work*

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Debra A. Beckstett, Medina; B.S.; *Social Work*

Ann Elizabeth Black, Findlay; B.S.W. (Bowling Green State University); *Social Work*

Anna Marie Bolzan, Columbus; B.A. (Edgecliff College); Diploma (St. Paul University); *Social Work*

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Dennis Alan Brazelton, Chandler, Ind.; B.A. (Purdue University); *Social Work*

Kimberly Sue Brown, Athens; B.A. (Ohio Wesleyan University); *Social Work*

Nancy Lee Burley, Columbus; B.S. (Marshall University); *Social Work*

Patricia Jerome Colby, Cincinnati; B.S. (Cornell University); *Social Work*

Marianne Elizabeth Crawford, Waverly; B.A.; *Social Work*

Cathy Ann Davis, Baltimore, Md.; B.A. (University of Vermont); *Social Work*

Rucell Allen Davis, Pascagoula, Miss.; B.S. (University of Dayton); *Social Work*

Chester Daniel Dilday, Lancaster; B.A.; *Social Work*

Sherrel Elizabeth Downes, Albuquerque, New Mexico; B.A. (Oakwood College); *Social Work*

Steven Anthony Drewry, Kettering; B.A. (Indiana University); *Social Work*

Lawrence Saul Epstein, Columbus; B.A.; *Social Work*

Andrea L. Eshenaur, Kettering; A.B., M.A. (University of Louisville); *Social Work*

Karen Michelle Fabiano, Columbus; B.S.; *Social Work*

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Sharon M. Frame, Watertown, Mass.; Honors, Cert. (University of Massachusetts at Amherst); *Social Work*

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Mary Bernadette Goode, Columbus; B.A. (Ohio University); *Social Work*

Helen Delores Goss, Baltimore, Md.; B.S.S.W.; *Social Work*

Pamela Louise Gouldsherry, Avon Lake; B.S.S.W., M.A.; *Social Work*

Deborah Jeanne Greenham, Columbus; B.A. (Miami University); M.A.; *Social Work*

Dave Rickard Grove, Columbus; B.A.; *Social Work*

Janice Lyn Gutow, Glenview, Ill.; B.S. (Northern Illinois University); *Social Work*

Jana Calleen Hicks, Goshen; B.A. (Wilmington College); *Social Work*

Lee Ann High, Shelby; B.A.; *Social Work*

Joyce Ellen Hillick, North Canton; B.S.W. (Bowling Green State University); *Social Work*

Lou Ann Horstman, Chandler, Okla.; B.A. (Loyola University); *Social Work*

James Douglas Hudson, Philadelphia, Pa.; B.A. (Wilberforce University); M.A.; *Social Work*

Marvin Dale Imes, Dayton; B.S.S.W. (University of Dayton); *Social Work*

Ellen Harkins Jacobs, Massillon; B.A. (Walsh College); *Social Work*

Kathryn Louise Jemison, Columbus; B.S.S.W.; *Social Work*

Wellesley Johnson, Columbus; B.A. and B.S.S.W. (Oakwood College); *Social Work*

Oscar Emilio Jubis, San Salvador, El Salvador; B.A. (University of Miami); *Social Work*

Toni Miller Kahan, Columbus; B.A. (Capital University); *Social Work*

Donna Lynn Key, Union City, Ind.; B.S. (Manchester College); *Social Work*

Tae Sung Kim, Seoul, Korea; B.A., M.A. (Seoul National University); *Social Work*

Michele Ann King, Pittsburgh, Pa.; B.A. (University of Pittsburgh); *Social Work*

Lida Linanne Knipp, New Albany; B.A. (Capital University); *Social Work*

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Sharon Beth Levy, Columbus; B.A. (Ohio University); *Social Work*

Deborah J. Lisabeth, Cincinnati; B.A. (University of Cincinnati); *Social Work*

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Patricia Anne Makosky, Youngstown; B.S.S.W.; *Social Work*

Jacquelyn Marchetto, Columbus; B.S.S.W.; *Social Work*

Joyce Ann Maurer, Columbus; B.A.; *Social Work*

John George Maykut, Brookpark; B.A. (Cleveland State University); *Social Work*

Barbara K. McCrork, Ashland; B.S.; *Social Work*

Diane Marie Meder, Columbus; B.S. (University of Northern Colorado); *Social Work*

Leah Marcelle Meyer, Trotwood; B.S.S.W.; *Social Work*

Dorothy Jean Mitchell, Columbus; B.S.; *Social Work*

Lavenia Rogers Moses, Columbus; B.A. (Southwestern University at Memphis); *Social Work*

Jacqueline Anne Mutchler, Columbus; B.S. (Miami University); *Social Work*

Mark Edwin Ostler, Coshocton; B.A. (Malone College); *Social Work*

Alison Lawan Pelham, Arlington, Va.; B.A. (Hampton Institute); *Social Work*

Julia Anne Perlmutter, Beachwood; A.B. (Miami University); *Social Work*

Joanne Ingle Phillips, Barnesville; B.S.; *Social Work*

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James Joseph Poremba, Garfield Heights; B.A. (Kent State University); *Social Work*

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Robert Craig Schirner, Columbus; B.S.S.W.; *Social Work*

Deborah J. Schneider, Columbus; B.A.; *Social Work*

Michael Lee Shasky, Lexington; B.A.; *Social Work*

Sharon Denise Shriver, Canton; B.A. (Walsh College); *Social Work*

Sandra Ann Shutt, Columbus; B.S.; *Social Work*

Laura Forst Silverglade, Bexley; B.A. (University of Illinois); *Social Work*

Laurel Ann Smith, Millersburg; B.A. (Kent State University); *Social Work*

Martha Jean Smith, Saratoga Springs, N. Y.; B.S.S.W.; *Social Work*

Phillip Lloyd Staten, Groveport; B.S. (Rio Grande College); *Social Work*

Eleanor Jean Stephan, Columbus; B.S. (Capital University); *Social Work*

Karen Faye Stewart, Bellaire; A.B. (Ohio University); *Social Work*

Mary Lee Sweet, Columbus; B.S.; *Social Work*

Emma Rose Tackett, Columbus; B.A.; *Social Work*

Camille K. Tanler, Westerville; B.S. (Purdue University); *Social Work*

Marilee K. Taylor, Cincinnati; B.S. (University of Cincinnati); *Social Work*

Beth Ellen Thomas, Tiffin; B.A. (Muskingum College); *Social Work*

Walter C. Torain, Columbus; B.A. (William Paterson College); *Social Work*

Rosemary Louise Trocano, Union City; B.A. (Wright State University); *Social Work*

Susan Diane Tuttle, Columbus; B.S.; *Social Work*

Nancy Malta Wagner, Columbus; B.S.S.W. (Bowling Green State University); *Social Work*

Frank Mann Webb, Jr., Dayton; B.A. (Wright State University); *Social Work*

Marolyn Whaley, Lima; B.A. (Bluffton College); *Social Work*

Celeste Strickland White, Columbus; B.S. (Indiana University); *Social Work*

Deborah Lee Wickland, Columbus; B.S.S.W.; *Social Work*

Marie Heeg Wolf, Columbus; B.A. (Ohio Dominican College); *Social Work*

Karen Elizabeth Woods, Dayton; B.A. (Otterbein College); *Social Work*

Wendy Jean-Cooper Work, London; B.A. (Cedarville College); *Social Work*

Paulette M. Zaryczny, Cleveland; B.A. (Marygrove College); *Social Work*

### **Certificate of Specialist in Translation from the Russian Social Sciences**

Harvey Paul Hodak, Louisville, Ky.; A.A. (Jefferson Community College); B.A. (Eastern Kentucky University); *Slavic and East European Languages and Literatures*

# Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:  
Patrick R. Dugan  
Vice Provost for the Arts and Sciences:  
Thomas A. Wilkie  
The Colleges of the Arts and Sciences,  
a federation of five colleges, include:

College of the Arts  
College of Biological Sciences  
College of Humanities  
College of Mathematical and  
Physical Sciences  
College of Social and  
Behavioral Sciences

## College of the Arts

Dean: Andrew J. Broekema

### Bachelor of Arts

Michael Andrew Boerger, Columbus  
Thomas L. Bogardus III, Mt. Vernon  
Elizabeth Lynn Brozio, Springfield, Ill.  
Virginia N. Cable, Lima  
Joseph Anthony Cartolano, Kettering  
John Richard Croyle, Columbus  
Rhonda Lori Eisenberg, Chicago, Ill.  
Margret Mary Firago, Amherst  
Michael Steven Goetz, Mansfield  
Rebecca Jane Knott, Bainbridge  
James Patrick O'Brien, Worthington  
Kathleen Patricia O'Connor,  
Gaithersburg, Md.  
Rick Alan Orr, Sylvania  
Christopher Louis Pezzutti, Columbus  
Dennis Matthew Sabo, Bellevue  
John Wesley Shillington, Booster  
Justin Olin Simons, Columbus  
Mary Margaret Spencer, Lakewood  
Jeffrey Keith Stanford, Perrysburg  
Stephen Andrew Stout, Portsmouth  
William Lee Stratton, Dayton  
Kenneth Edward White, Sugar Grove

### Bachelor of Fine Arts

Kimberly Lynn Adams, New London, Conn.  
Donna J. Armeni, Columbus  
Patrick William Barnes, Grove City  
Werner H. H. Brause, Columbus  
Jeffrey Douglas Buschor, Celina  
Edith Louise Clark, Saco, Minn.  
Steven Andrew Climer, Chillicothe  
Hugh William Collins, Columbus  
Franca Joanne Dannemiller, Akron  
Sharon Leigh DeGroot, Marion  
John Caldwell Donkin, Cleveland Heights  
John Joan Eggspuehler, Iowa Falls, Iowa  
Julie Ann Franklin, Dayton  
Karen Noelle Frimel, Lakewood  
Mark Charles Gilchrist, McDonald  
Edward Paul Hancock, Jr., Cleveland  
Genia Martha Hernacki, Toledo

Tobias Kerwin Houpe, Columbus  
Alice Drodouski Irwin, Maple Heights  
Robin Reed Jallevand, Atlanta, Ga.  
Francine K. Johnson, Fredericktown  
Suzanne Marie Johnson, Urbana  
Jean E. Kennedy, Springfield  
Denise Ann Laffer, Chicago, Ill.  
Stephanie René Lyles, Washington, D. C.  
Barbara Ann Maiberger, Grove City  
Andrew Lawrence Moffatt, Columbus  
Lynette Elaine Molnar, Bethel Park, Pa.  
Gary Steven Nagl, Cincinnati  
Laura Ann Pasquarello, Columbus  
Kamela Dawn Poling, Circleville  
Deanne Mary Resch, Uniontown  
Brian S. Rolston, Worthington  
Elizabeth M. Schnelz, Walled Lake, Mich.  
Scott Douglas Sommers, Dayton  
Lance Philip Spellerberg, Tiffin  
Kevin Michael Stewart-Magee, Columbus  
Betsy Viktoria Strome, Mansfield  
Lydia Celeste Thompson, Columbus  
Brian Thomas Webb, Elyria  
Jeffrey Brian Yagher, Centerville  
Deirdre Davies Zehnder, Mansfield

### Bachelor of Music

Cathy Elaine Boos, Norwalk  
Thomas Andrew Jordan, Columbus  
Christopher John Martin, Worthington  
Vincent Joseph Mendoza,  
East Norwalk, Conn.  
Douglas Scott Morris, Elizabethtown, Pa.  
Sonya Martha Nedreberg, East Liverpool  
Bradley Lewis Taylor, Columbus  
Rhonda A. Taylor, Xenia  
Susan Dillman Waterbury, Delaware  
Diane G. Wedig, Cincinnati

### Bachelor of Art Education<sup>1</sup>

Robin Lynn Brilliant, Worthington

### Bachelor of Art Education<sup>2</sup>

Debra Kay Allen, Newark  
Debra Lynn Aronoff, Cincinnati  
Michelle Ann Driskell, Bellbrook  
Mariann Patricia Favret, Worthington  
Gayle Ann Gominger, Perrysburg  
Lee Alan Hervey, Columbus  
Deborah Marie Holdash, Cleveland  
Linda Michele Jones, Columbus  
Lisa Lynn Marconi, Fremont  
Katherine Ann Sullwold, Toledo

### Bachelor of Music Education<sup>2</sup>

Marie Lynne Acton, Washington C. H.  
Karen Leigh Barnes, Grove City  
Valeri Kay Conley, Logan  
Lee Perrin Cowherd, Frankfort, Ky.  
Leah Anne Crawford, Grafton  
Nancy Anne Davis, Avon Lake  
Joseph Charles Galvin,  
South Charleston, W. Va.  
Mark Allen Gray, Lockbourne  
Julie Ann Gregory, Newark

Julie Alice Hauelsen, Delaware  
Barbara Jean Hendricks, Huron  
Stephen Leroy Hildreth, Clinton  
Karrie Lynn Horton, Zanesville  
David Ernest Howard, Centerville  
Philip Carl Lehenbauer, Deshler  
Timothy D. Longfellow, Clinton  
Kenneth Duane Miller, Irwin  
James Robert Mitzel, Akron  
Sonya Martha Nedreberg, East Liverpool  
John Edward Otten, Fremont  
Diane Kathryn Reik, Sarasota, Fla.  
Eleanor Ruth Riechers, Hamilton  
Martha Ann Sabados, Cambridge  
Thomas Bernard Schueb, Columbus  
Lauren M. Steinicke, Irvine, Calif.  
Joseph William Stoll, Columbus  
Christina Marie Swerlein, Carey  
David Norman Thomas, Grove City  
Michele Annette Wagner, Gates Mills  
Margaret Thiele Weitzel, Westerville  
Dustin Edward Werner, Columbus  
Janet Dea White, Gahanna

### Bachelor of Science in Audio Recording

Georgianne Hitchens, Worthington  
Keith Siders, Lima

### Bachelor of Science in Industrial Design

Pedro Marcos Alfonso, Miami, Fla.  
Scott Nielsen Barton, Abington, Mass.  
Connie Louise Bateman, Washington, Ind.  
Lisa Kay Buzby, Columbus  
Sharon Leigh Coon, Columbus  
Donna S. David, Columbus  
Christine Marie Davis, Springfield  
Krysten Karin Jones Desmond, Cincinnati  
David Alan Dubick, Atlanta, Ga.  
William Hull Faust, Norvelt, Pa.  
John M. Fieck, Worthington  
Daniel Joseph Fortunato, Paramas, N. J.  
Michael Duane Garten, Fairborn  
Karenn Cox Geraghty, Columbus  
Dale Alan Greenwald, South Euclid  
Joann Carol Handyside, Elyria  
Pamela B. Hannan, Toledo  
Mark Jeffrey Hathaway, Columbus  
Timothy Robert Hiltabiddle, Elyria  
Barbara Berk Hoorman, McKinney, Tex.  
Ellen Lyle Hoover, Columbus  
Carol Jeanne Hunt, Brecksville  
Valerie Anita Lacey, Columbus  
John Michael Lanning, Columbus  
Patrick Jon McCarthy, Streetsboro  
James Ernest Nash, North Olmsted  
Michael Earl Newman, Columbus  
Ann Michele Nolte, Columbus  
James Richard Novy, East Greenwich, R. I.  
Mark Fowler Parrott, Dayton  
Pamela Ellen Polster, Pepper Pike  
Paul Andrew Reeder, Columbus  
Ellen Therese Richey, Chagrin Falls  
Curtis F. Schmidt, Delaware  
Kevin Schroer, St. Marys  
Robert Warren Sheldon, Akron  
Sandra Joyce Shriver, Columbus

<sup>1</sup> Offered by the College of the Arts  
<sup>2</sup> Offered jointly by the College of the Arts and  
the College of Education

Raymond John Steiner, Strongsville  
Phillip Joseph Volpe, Columbus  
John Richard Walker, Columbus  
Amy Jo Wherley, Dover  
David Wesley Williams, Dublin

## College of Biological Sciences

Dean: Patrick R. Dugan

### Bachelor of Arts

Mark Farrell Briggs, Columbus  
Thomas Andrew Gable, Parma  
Tracy L. Gales, Elyria  
Christopher S. Reese, Lorain

### Bachelor of Science

Nancy A. Altimore, Pittsburgh, Pa.  
Jeffrey Charles Bailey, Elmira  
Alp Sinan Baran, Columbus  
Rajnish Kumar Batra, Kanpur, India  
Melinda Sue Bennett, Norton  
Joyce Annette Bihari, New Philadelphia  
Scott Alan Birman, Springboro  
Anita K. Boyer, Lancaster  
Barbara Vance Brown, Salt Point, N. Y.  
Rachel Annette Brown, Wilmington  
Phillip Anthony Burwinkel, Hillsboro  
Stephen Kipling Calendine, Lexington  
John Francis Collins, Dublin  
Jeffrey William Crecelius, Ashland  
Steven Jon Curtis, Marietta  
Wade Cody Danton, Marietta  
Donald Lee DeCoy, Point Pleasant, W. Va.  
Gregory Joseph DeLorenzo, Cincinnati  
Paul Anthony DePascale, Columbus  
Beth Biechele DeWitt, Sandusky  
Joseph Edward Dohar, Youngstown  
Brenda Louise Downing, Delaware  
Mitchell Lewis Drumm, New Philadelphia  
Risa Stephanie Dunn, University Heights  
Janet Louise Easley, Oakmont, Pa.  
Ellen Deila Eighan, Canfield  
Susan Mae Emans, Celina  
Jennifer Leigh Fallang, Dayton  
James Bradley Ford, Findlay  
Melissa Beth Frankel, Pepper Pike  
Ronald Alan Freireich, University Heights  
Michelle Lynn French, Jackson  
Stephen W. Fry, Trenton  
Jay L. Garland, Elyria  
Ronald Joseph Gaudio, Mingo Junction  
Barbara Lynn Gerlat, Cleveland  
Stephen Oliver Gervais, Nampa, Idaho  
Linda Kay Gibson, Columbus  
Mary Elizabeth Grabaskas, Toronto  
Carol Jean Greco, Avon  
Valerie K. Green, Warrensville Heights  
Ingrid Ann Gubesch, Canton  
David Gene Haddock  
Rio Piedras, Puerto Rico  
Daniel Patrick Haehn, Wapakoneta  
Hassan Hashemian, Mashad, Iran  
Bruce Steven Heater, Findlay  
Brian Anthony Higgins, Amherst  
Carol Louise Hines, Troy  
Steven Marc Hirsch, Baltimore, Md.

Julie Ann Holloway, Monclova  
David Wesley Husman, Cincinnati  
Joseph Lawrence Hutta, Poland  
Stephen Blane Jaffe, Canton  
Brian Neal Johnson, Columbus  
Demetrio Frederick Josef, Lorain  
Pamela Sue Joseph, Lima  
Matthew Alan Joy, Rocky River  
James Thomas Kelly, Jr., Lakewood  
Theodore Dean Kessiss, Upper Arlington  
Erfan Khadem, Columbus  
Elizabeth Susan King, Grand Island, N. Y.  
Gene Paul King, Upper Arlington  
Robert Michael Konstan, Akron  
John Lad Koprowski, Lakewood  
Mark W. Kovach, Caldwell  
Ann Renee Koval, Dover  
Jude Anthony Kral, Parma Heights  
Daniel N. Lallathin, Jewett  
Sinisa Lavric, Westerville  
Elizabeth Susan Lehman, Beaver, Pa.  
Steven Linn Markowitz, University Heights  
Anthony Andrew Mascia, Huber Heights  
Rhonda Renee Masterson, Somerset  
SusanAWN Mayers, Cleveland  
Barry Scott McCorkle, Oak Hill  
Ted Andrew Meineke, Dayton  
Robert Joseph Meleca, Columbus  
Joyce Merryman, Columbus  
Jeffery David Miller, Upper Arlington  
Brenda Lee Mitchell, Dover, Delaware  
Olga Miagros Montes, Lorain  
Michael John Muha, Akron  
Vanessa Kay Murchake, Upper Arlington  
Alan James Murnane, Galloway  
Richard M. Nedelman, Springfield  
Kimberly Jo Nesselroad, McConnellsville  
Michael Steven Nethers, Newark  
David Allen Novotny, Amherst  
Anabel Ocasio, Bayamon, Puerto Rico  
Abhay Suresh Parikh, Dayton  
Thomas Michael Paumier, North Canton  
Peter James Pema, Upper Arlington  
Thomas Michael Perham, Woodhill, N. Y.  
Brian Hugh Peters, Grove City  
Carolyn Marie Petrucelli, Akron  
Alys Michele Portman, Akron  
Alison Marta Post, Shaker Heights  
Michael Howard Rainer, Detroit, Mich.  
Mark McCleery Redding, Delaware  
Elizabeth Ann Rehder, Cincinnati  
Lisa Jane Reichardt, Reston, Va.  
Constance D. Reynolds, Cleveland  
Julia Kathleen Riber, Alfred, N. Y.  
Lori Kay Riley, Brookville  
Janet Emilea Rinehart, Waldo  
Douglas L. Risk, Washington D. C.  
Norma Rodriguez, San Juan, Puerto Rico  
Anthony Alan Rohrbach, Thornville  
Timothy Rossi, Columbus  
David Alan Russell, Wintersville  
Cheryl Annette Ryder, Cleveland  
Camille Sabella, Canton  
Reid Randolph Schaefer, Sandusky  
William R. Schmidt II, North Canton  
Kenneth James Schroer, Cincinnati  
Linda Carol Schultz, Sandusky  
Laurie Marie Schumacher, Cincinnati  
Brigitte Marie Sheffer, Granville  
Sanford Len Shew, Magnolia  
Orlando Paul Simonetti, North Royalton  
Peter Diehl Smallwood, Kettering  
Keith Scott Smith, Huber Heights  
Laurel Ann Smith, Columbus  
Gary Lowell Smoot, Lucasville  
Dale Gregory Soltis, Broadview Heights  
Jack Soong, North Royalton  
John Phillip Sotos, Columbus

Mark Edward Stevenson, Cleveland  
Paul Allen Suter, Hillsboro  
Darius Alan Talebi, Columbus  
Paul Terry Tsivitsis, Solon  
Leslie Nadine Tucker, Lima  
Jeanne F. Tugaon, Parma  
John Falgui Tugaon, Parma  
William Robert Christopher Wallis, Cleveland  
Jean Marie Wardell, Wayne, N. J.  
Robert Anthony-Thompson Washington-Allen, Northhampton, England  
David Donald Watson, Akron  
Douglas B. Weinman, Kettering  
Robert John Weisenburger, Pemberville  
David Hadley Weltman, Sarasota, Fla.  
Todd William Westhafer, Dennison  
John Elizabeth Wetta, Columbus  
Jeffrey Lee Wilden, Brook Park  
Julie Gail Wilkinson, Dayton  
Donna Jean Woelfel, Cincinnati  
Timothy Lee Workman, Lynchburg  
Willis Dean Wright III, Marion  
Joseph Peter Sekiguchi Yu, Tiffin

## College of Humanities

Acting Dean: Michael W. Curran

### Bachelor of Arts

Marianne Abrams, Cincinnati  
Mark William Allard, Shelby  
Jill Diane Apple, Lyndhurst  
Loren F. Bawn, Marietta  
Suzanne Marie Becker, Grove City  
Nancy Lee Beckett-Titus, Wooster  
Jeffrey Franklin Bender, Bucyrus  
Linda Ann Blair, Chillicothe  
Debra Ann Blickensderfer, Conneaut  
Rebecca Ann Boggins, Canton  
Jeffrey Alan Bricker, Dublin  
Michael Alan Brooks, Worthington  
Charles R. Bunner, Columbus  
Maureen Celia Casey, Palisades Park, N. J.  
Kevin Michael Chambers, Toledo  
John J. Chester, Columbus  
Mark Douglas Crawley, Columbus  
Cynthia Marie DeVuono, Columbus  
Carole M. Dolin, Greensboro, N. C.  
Audrey Rowena Drake, Bucyrus  
Thomas Jeffrey Efta, Columbus  
William Timothy Elgin, Columbus  
Kimberly Kay Ellison, Georgetown  
John Gow Evans II, Toledo  
Judith Ann Fairly, Los Angeles, Calif.  
Constance Anne Fearon, Cuyahoga Falls  
William Charles Flynt III, Columbus  
Muge N. Galin, Izmir, Turkey  
Karen Louise Gayunas, Columbus  
Roberta Chadwick Gerlach, Columbus  
Marian J. Giamati, Rocky River  
Robert David Goldmann, Upper Arlington  
Cheryl Lynn Gordon, Mansfield  
James Edward Grannis, Columbus  
Diane L. Griffith, Salem  
Michael Scott Grimsley, Columbus  
Amy Belinda Guthrie, Mansfield  
Mary Margaret Gutin, Cleveland  
Kimberly Sue Hague, Chagrin Falls  
Jennifer Mary Heid, Fremont

Laural Leslee Heinze, Columbus  
 William Allen Henderson, Dayton  
 Joseph Michael Hnylka, Cleveland  
 Gloria Jean Huffman, Heath  
 Scott A. Kammeyer, Columbus  
 Adrian V. Karmazyn, Parma  
 Jeremy Avram Klapper, Columbus  
 Richard Patrick Konrath, Toledo  
 Anna Marie Lalonde, South Amherst  
 Regina Marie Langen, Washington C. H.  
 Richard McLaren Lattimer, Jr., Butler  
 Anna Margaret Lawson, Columbus  
 Elizabeth Ann Lind, Springfield  
 David Harold Luce, Worthington  
 Julie Ann Luzny, Perrysburg  
 Ginger Laura Lynch, Novelty  
 Molly Dorothy McLenathan,  
 Orchard Park, N. Y.  
 Lauren Caborn McCoy, Columbus  
 Jane Ellen McCuddy, Springfield  
 George Daniel Merryman, Canton  
 Stephen Charles Mixer, Columbus  
 Dennis T. Naherny, Rocky River  
 Douglas William Peelle, Cleveland Heights  
 John David Pelfrey III, Canton  
 Robert Austin Powers, Lakewood  
 Doris Ann Ramey, Columbus  
 Amy Alice Reidenbach, Columbus  
 Faith E. Reidenbach, Columbus  
 Katherine Ann Richardson, Worthington  
 Theresa Lynn Rizzo, Galion  
 Sandra L. Saltsman, Buffalo, N. Y.  
 Robert A. Schultz, Whitehall  
 Andrew Michael Shupala, Fairview, Pa.  
 David Wm. Sims, Columbus  
 Jewel E. Smith, Columbus  
 Dale Martin Sowders, Cincinnati  
 Teri Lynn Steiner, Columbus  
 Randall Leigh Stephan, Brookville  
 Cynthia M. Taylor, Toledo  
 Robin Marie Taylor, Columbus  
 Pamela Sue Thoma, Sylvania  
 Miriam Ann Tucker, Grandview Heights  
 David Scott Vanderboegh, Marion  
 Charles Albert Vannatta, Upper Arlington  
 Amy Joyce Watson, Westerville  
 Rebecca Jane Welker, Worthington  
 Katherine E. Wieteki, Ironton  
 Roger Darrell Williams, Newport News, Va.  
 Dann Wyatt Willis, Columbus  
 Sherrilyn R. Wilson, Lexington  
 Lisa Ann Winterhalter, Oakwood  
 Keith E. Woffling, Toledo  
 Willa Smart Wood, Columbus  
 Kim Marie Workman, Euclid  
 Robert Eric Worstell, Chagrin Falls

## College of Mathematical and Physical Sciences

Acting Dean: John O. Riedl

### Bachelor of Arts

Mitchell Andrew Brack, Richmond Heights  
 Thomas Dickerson Brown, Ottawa  
 Clyde O. Fay, Columbus  
 Elizabeth Kay Haback, Columbus  
 Terry Paul Harbaugh, Macedonia  
 Molly Lane Jacobs, Rossford

Daniel Brian Kassel, Bay Village  
 Lisa Anne Klatka, Columbus  
 Philip John Oths, Cincinnati  
 Edward George Patrick, Westlake  
 Scott J. Schurman, Cincinnati  
 Doreen Marie Will, Columbus

### Bachelor of Science

Yousef George Aouad,  
 Broummana, Lebanon  
 Jeffrey D. Arp, Columbus  
 Terry L. Artrip, Columbus  
 Lisa Jean Atcheson, Bexley  
 Mark J. Bange, Hamilton  
 Thomas Richard Barnaba, Newark  
 David Loren Bartz, Lima  
 John Eugene Bateman, S. South City, Neb.  
 Robert R. Beckwith, Centerville, Pa.  
 Neal L. Beeler, Lima  
 Louis Michael Biafore, Reynoldsburg  
 Gene Edward Boomer, Cleveland  
 Alan John Brown, Columbus  
 Boyd Alan Carlson, Columbus  
 Wendy Diane Chadwick, Bay Village  
 Dwight Evan Chapman, Columbus  
 Kevin Thomas Corcoran, Lakewood  
 David Beecher Daniels, Verona, Wis.  
 John Edward Davis, Proctorville  
 Mary J. Davis, Alliance  
 Daniel Conrad Dearing, Heath  
 Catherine Anne DeFrancis, Columbus  
 Don Frederic DeJongh, Cincinnati  
 Steven Frank Diffenderfer, Columbus  
 Melinda Ann Ebert, Columbus  
 Paul David Eustice, Columbus  
 Paul Feezel, Cuyahoga Falls  
 Robin Pam Feld, Columbus  
 Victor Allen Ferdinand, Canal Fulton  
 Alex Fodor, Millersport  
 Lucius Seiberling Fox, Akron  
 Bradley Alan Frecker, Columbus  
 Irene Annette George, Mansfield  
 David Fredrick Green, Chagrin Falls  
 Michael Edward Hagenlocker,  
 Fredericksburg, Va.  
 Jamie Sue Haggerty, Toledo  
 Lloyd Jerome Harding, Monrovia, Liberia  
 Thomas Richard Harper, Chesterland  
 Michael James Hoffman, Elyria  
 Robert Michael Horwath, Kettering  
 Thomas Paul Howland, Canton  
 Julie Ann Hutt, Columbus  
 Dawn Ellen Ickes, Elyria  
 Cheryl Anne Jaske, Englewood  
 Venkata Ramakrishna Jayanthi, Toledo  
 Janice Elizabeth Jensen, Kent  
 David Warren Kase, Roanoke, Va.  
 Richard Tucker Kaul, Columbus  
 Robert Allen Kearns, Columbus  
 Joseph Thomas Khoury, Jr., Lakewood  
 Suzanne Ferree King, Columbus  
 Steven J. Klatke, Cincinnati  
 Janice Lynn Klein, Canton  
 Lisa Jolene Klempay, Chagrin Falls  
 Keith A. Kopycinski, Lakewood  
 Jill Annette Kwansy, Chagrin Falls  
 Bryon James Law, Reynoldsburg  
 Patricia Ann Loeffler, Worthington  
 Darlene Kathryn Lofand, Columbus  
 Patrick Douglas Logan, Columbus  
 Kwok-Hing Robert Luk, Hong Kong  
 Gary Edward MacPhee, Heath  
 Sandra Marie Mazza, Columbus  
 David A. McCray, Oakwood Village  
 James Edward McGuire, Jr., Canton  
 Richard Eugene Muza, Struthers

Mark Thomas Peters, Tallmadge  
 Craig Steven Rawlinson,  
 Middleburg Heights  
 Richard Ridewood, Columbus  
 Michael Stephen Rudy, Troy  
 John Edward Sambrook, Chesterland  
 Patty Ann Sasaki, Chesterland  
 Pamela Diane Schuler, Centerville  
 Carl Eric Schwartz, Worthington  
 Norman Allan Schwartz, Beachwood  
 Mary Lynn Shust, Grove City  
 Jim C. Smith, Richfield  
 Michael Roric Sprowls, Medina  
 Carl Leon St. John, Geneva  
 Todd Arthur Stewart, Brookfield  
 Douglas Alan Stuart, Fort Polk, La.  
 Eliot Brant Swiger, Blacksburg, Va.  
 Richard Jeffrey Swope, Reynoldsburg  
 Susan June Szygula, East Lansing, Mich.  
 Douglas A. Taylor, Xenia  
 Marijke van Heeswijk, Columbus  
 James Allen Wilson, Stow  
 Jean Marie Wilson, Worthington  
 Douglas Michael Wolke, Columbus  
 Gary Alan Yeager, Bellville  
 David Znidarsic, Euclid

## College of Social and Behavioral Sciences

Dean: S. Earl Brown

### Bachelor of Arts

Nikunj Kumar Agarwal, Charleston, W. Va.  
 Chiledu A. Akoma, Surv-Lere, Lagos, Lagos  
 Catherine E. Alexander, Columbus  
 Darryl L. Anderson, Kilbuck  
 Donna Sue Aucker, Cincinnati  
 Jon Lawrence Austen, Madison  
 Elizabeth Mary Badurina, Columbus  
 Mary E. Barley, North Canton  
 Michelle J. Barry, Chagrin Falls  
 William Craig Bashein, Pepper Pike  
 Jack Otto Bashian, Solon  
 Marcia Diane Baum, Bainbridge  
 Asa A. Beavers III, Powell  
 Annette Lee Beck, Cadiz  
 Kathy Lynn Belcher, Columbus  
 Mark William Berry, Worthington  
 Margaret Louise Best, Bowling Green  
 Leslie A. Blackston, Harrisburg, Pa.  
 Edward Benjamin Blau II, Canton  
 Carol June Bobin, Worthington  
 John David Bollas, Warren  
 Joann Marie Bour, McCutchenville  
 Lisa Rae Boyer, Hayesville  
 Gail Ann Brandenburg, Franklin  
 Rodney E. Brenneman, Warsaw  
 Paul Douglas Brockman, Cincinnati  
 Elliott M. Brody, Canton  
 Christopher Kevin Brooks,  
 Colorado Springs, Colo.  
 Lianne Margaret Brune, Zanesville  
 Lisa Mangone Buckingham, Grove City  
 Camille Lorraine Busellato, Columbus  
 Andrew Scott Bush, Wellsville  
 Dorothy Elaine Butler, Columbus  
 Candy Joan Cain, Reynoldsburg  
 Deno C. Capello, Jr., Caldwell  
 Carl Edward Carpenter, Senecaville  
 Susan Ann Carroll, Columbus

Douglas Harold Carter, Tipp City  
Theresa Casey, Columbus  
Kevin M. Cashen, Oregon  
Kathryn Elizabeth Cass, Bay Village  
Carla Castilla, Warren  
Denise Rosa Catanzarite, Lorain  
Robert Alan Ceisler, Columbus  
Daphne Dodson Chaneske, Massillon  
Perry Michael Chappano, Mingo Junction  
Patti Anne Click, Columbus  
Susan Nanette Coen, Kettering  
Laura Lorraine Cohen, Centerville  
Chad Jay Cohn, Toledo  
Kimber Lee Cole, Boardman  
George William Colwell, Columbus  
Lisa Ann Comegna, Hewlett Harbor  
Constance M. Connelly, Marion  
Peter Andrew Cooper, Columbus  
Deborah Kay Corso, Sandusky  
Deborah Jean Daniels, Canton  
Barbara L. Dapp, Centerville  
Carol Moomaw Davis, Greenfield  
Timothy Clifton Dawes, Huber Heights  
Rodney G. Dillehay, Columbus  
Marino Edward DiMarco, Cleveland  
Patricia Ann DiNunzio,  
    Natrona Heights, Pa.  
Stephen Christopher Dow, Worthington  
Marla Colleen Drake, Columbus  
Diana Jean Duerler, Grove City  
Alton Craig Dunn, Montclair, N. J.  
Christopher L. Edmonds, Toledo  
Merry Lea Eickholt, Columbus  
David James Eitle, Utica  
John Stuart Ely, Jr., South Euclid  
Elise Marie Eustice, Columbus  
Susan Anne Farmer, Columbus  
Judith Karen Feinberg, East Liverpool  
William Edward Felkner, Columbus  
Brian Edward Feuer, Youngstown  
Susan Jeanne Filer, Upper Arlington  
Karen S. Fischbach, Ottawa  
Paula Marie Fortini, Cleveland  
Kimberly Marie Poutty, Kent  
Steven Paul Franchhauser, Steubenville  
Christina Carol Frenzer, Columbus  
Mindy Joy Friedland, Cleveland  
Linda Marie Garner, Akron  
Michael John Gatsos, Bay Village  
Jeffrey Nathan Gatten, Marietta  
Susan Gerlach, Upper Arlington  
Kurt Erich Goldenbagen, Chillicothe  
Daniel Hezekiah Gooden, Columbus  
Ronald Alan Goss, Pepper Pike  
Chris J. Grimes, Minerva  
Karen Virginia Guss, Upper Arlington  
Andrew Henry Haas, Lakewood  
Catherine Jane Haas, Montoursville, Pa.  
Stephanie Mary Haban, Columbus  
Angela J. Hall, Lima  
Jennifer Lynn Halley, Grove City  
Robert C. Hancock, Cincinnati  
John Ellis Hansel, Jr., Upper Arlington  
Mary Ann Harpenau, Palm Beach, Fla.  
Rebecca Lynn Harrah, Vandalia  
Mark Rogers Harrington, Worthington  
Steven Robert Hart, Wilmington  
Caroline Nelle Heath, Massillon  
Lauren Ann Heller, Short Hills, N. J.  
Julie K. Helman, Tipp City  
Cynthia Kathleen Hendrix, Randolph  
Gwendolyn M. Hennessey, Madison  
Gina Marie Hentosh, Hubbard  
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 Kellyann Norton, Bay Village  
 Mari Lynne Oklok, Upper Sandusky  
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## College of Agriculture and Home Economics

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 Douglas Paul Scheiderer, Plain City  
 Carlton John Schlatter, Defiance  
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 Jeffery Scott Shoup, Casstown  
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 M. Lewis Smith, Napoleon  
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 Todd William Thompson, White Cottage  
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 Ann Marie Tomazic, Fairview Park  
 Dana John Tomlinson, Ravenna  
 Alan Dean Tumblin, Fresno  
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 Carol Christine Hirschfeld, St. Marys  
 William Lloyd Kerr, Columbus  
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 Michael Joseph Rankin, Columbus  
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## Bachelor of Science in Food Technology

Tammy Jean Burns, New Plymouth  
 Nancy Ann Caldart, Brecksville  
 Hope Elaine Hart, Belmont  
 Shari L. Plimpton, Grove City

## Bachelor of Science in Nutrition

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## School of Home Economics

### Bachelor of Science in Home Economics

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 MaryAnn Konecsny, Satellite Beach, Fla.  
 Tracy Paulette Kraus, Lodi  
 Lisa Lynn Kuhnheim, Worthington  
 Julie Marie Lewis, Fostoria  
 Kimberly Fraser Lowe, Cincinnati  
 Joanna Lund, Middletown  
 Kathleen Ann Mahoney, Wapakoneta  
 Angela S. Mattingly, Zanesville  
 Cecilia J. Mattingly, Zanesville  
 Deborah Lynn McLaughlin,  
 Highland Heights  
 Susan Marie McLean, Canton  
 Amy Lynn Middleton, Xenia  
 Joanie Louise Milne, Middleburg Heights  
 Nina Christine Montague, Rossford  
 Sheryl Ann Myers, Columbus  
 Linda Kay Palof, North Royalton  
 Cheryl Lynne Parish, Dublin  
 J. Melissa Pastre, Dillonvale  
 Barbara Bucklin Payne, Columbus  
 Melanie Marie Perillo, Westlake  
 Mary Eugenia Pilliod, Swanton  
 Kathleen Mary Stanbery Potts, Columbus  
 Kathleen Michelle Rankin, Kenmore, N. Y.  
 Elizabeth Ann Rees, Columbus  
 Vanessa Dawn Resler, Columbus  
 Kimberly Lynn Riehl, Gahanna  
 Jayne Anne Robb, Centerville  
 Victoria Muir Roberts, Parma  
 Jacqueline Ann Roche, Columbus  
 Mary Kathleen Sanders, Toronto  
 Jocelyn D-Ann Sawyer, Columbus  
 Debra L. Schar, Sterling  
 Tammy Hoshor Scheidegger, Baltimore  
 Rhonda Lynn Schellhaas, Galloway  
 Christina Marie Schiavoni, Amherst  
 Christine M. Schleg, Canton  
 Kim A. Schlichting, Callicoon  
 Amy Carol Scurich, Canfield  
 Janice Faye Shanahan, Columbus  
 Barbara Ann Shaw, Columbus  
 Louann Alicia Snezek, Martins Ferry  
 Lisa Beth Solomon, Pepper Pike  
 Pamela Marie Stammen, Burkettsville  
 Jennifer Ann Stoll, South Euclid  
 Linda Elizabeth Strow, Columbus  
 Kathy Ann Szostak, Methuen, Mass.  
 Carmela Ann Tancredi, Euclid  
 Christine Ann Taylor, New Holland  
 Donna Gale Taylor, Columbus  
 Lisa Susan Thompson, Columbus  
 Anne McGuire Tipton, Portsmouth

Marilyn Kaye Trefz, Waldo  
 Gretchen Ann Triftshouser, Batavia, N. Y.  
 Rebecca Marie Turner, Columbus  
 Ann Clark Vendel, Mentor  
 Carol Jean Von Gruenigen, Kettering  
 Tracy Ellen Walton, New Philadelphia  
 Ellen Suzanne Warnes, Wooster  
 Joyce Lynn Wensink, Monroeville  
 Jolene Marie White, Big Prairie  
 Lisa Haynes Windle, Columbus  
 Teresa Ann Wycinski, New Lexington

### Bachelor of Science in Nutrition

Janet Lynn Bolina, Campbell  
 Wendelin Ann Burdo, Whitehouse  
 Cathleen Ann Labate, Akron  
 Sarah L. Peterson, Worthington  
 Linda Lee Upp, Portsmouth

### Bachelor of Science in Restaurant Management

Thomas Alan Buchanan, Olmsted Falls  
 Harold Edward Daugherty, Euclid  
 James Richard Hopton, Worthington  
 Kelly Ann Hull, Galion  
 Barry David Spitzer, Sandusky  
 Kathleen A. Swanson, North Olmsted

### School of Natural Resources

#### Bachelor of Science in Natural Resources

David Elwyn Adkins, Carroll  
 Dean John Alanko, Jefferson  
 Dean Joseph Arnold, Waterford  
 Daniel R. Balsler, Burton  
 Steven Randall Bank, Gahanna  
 Linda Carol Battison, Broadview Heights  
 David William Baxter, Van Wert  
 Jodi Ann Beckman, Celina  
 Thomas Edward Berneike, Bay Village  
 Steven Todd Boettger, Cincinnati  
 William Allen Bolzenius, Columbus  
 Victoria LaRene Bower, Galena  
 Michael Ferdinand Bowers, Columbus  
 Howard Sidney Bowns, IV, Tampa, Fla.  
 Elizabeth Ann Brewer, Tipp City  
 Carol Louise Brouillette, Mt. Vernon  
 Robert Charles Burns, Martins Ferry  
 Jeffrey Dayel Burris, Cambridge  
 Karen Sue Burrows, Dayton  
 Pamela Jo Burton, Bellefontaine  
 Bradley Glenn Carter, Ashland  
 Kevin Christopher Clouse, Tiffin  
 Glen Alan Cobb, Columbus  
 John Arthur Cooper, Toronto  
 Jeffrey Alan Cowgill, Columbus  
 Gregory Charles Cravatas, Medina  
 Mark Anthony Crider, Mansfield  
 Linda Marie Dannemiller, Kentwood  
 Steven Douglas Deardorff, Kenton

Sherry Jean DeFelice, Cincinnati  
 Katherine B. Dewey, Columbus  
 Timothy Carl Dobriansky, Cleveland  
 Linda Grace Drab, Cleveland  
 Joy Elizabeth Kenton, Sandusky  
 Ronald Rae Fowler, Amherst  
 Steven Edward Galliers, Bryan  
 Mark Edward Giese, Montgomery  
 Lauren M. Gifford, Broadview Heights  
 Timothy Ray Gillman, Harrison  
 Bradley Stewart Hansen, Peninsula  
 Donald Robert Harding, Jr., Mansfield  
 Scott Richard Hass, Columbus  
 Richard Herman Helmchen, Cincinnati  
 Paul Morgan Herbert, II, Columbus  
 Peter Alan Herr, Chagrin Falls  
 Michael Allen Hiener, Marietta  
 William Francis Hoffman, Columbus  
 Timothy Vincent Huitger, Columbus  
 Daniel Lee Imhoff, Cincinnati  
 Nancy Anne Johnson, Worthington  
 Timothy Howard Johnston, Hamilton  
 Kevin Adam Kayle, Kent  
 Carol Mae Kennedy, Tiffin  
 Jeffrey Dale Kibler, Strongsville  
 Cheryl Lee Kimerline, Bucyrus  
 Marianne C. Kreidler, Youngstown  
 Raymond Scott LaShier,  
 Wading River, N. Y.  
 Robert Charles Lathrop, Columbus  
 \*Paul Dwire Linn, Jr., Bucyrus  
 Larry Lee Lowery, Columbus  
 David Charles Maggio, Dayton  
 Carla S. Mayers, Columbus  
 Robert Joseph McDade, Jr., Rocky River  
 Heather Dawn McElfresh, Cincinnati  
 Daniel Wade McMillen, Tippecanoe  
 Thomas Bertram Murley, Columbus  
 Maureen Cecilia Newark, Dayton  
 Victoria Lynne Pfeifer, Columbus  
 Amy Janine Plymale, Grove City  
 Catherine Mary Pokrandt,  
 Middleburg Heights  
 Anita Anne Poorman, Hineckley  
 Mark Louis Pucci, Massillon  
 Scott Allen Raymond, South Vienna  
 William Robert Reiner, Jr., Carroll  
 David Paul Remy, Lexington  
 Paul Douglas Ries, Columbus  
 Richard Joseph Riski, Wickliffe  
 Leigh Ann Robertson, Columbus  
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 Lori Barnett Ryan, Columbus  
 Thomas Vincent Sansalone, Cincinnati  
 Nicholas James Schibi, Cincinnati  
 Laura Katherine Schlier, Kinston, N. C.  
 Philip Leo Schroeder, Leipsic  
 Kathryn Lynn Shipley, Akron  
 Joseph Patrick Smith, Maumee  
 Martin Alan Spetch, Mayfield Heights  
 Jeffery Allen Stanhope, Chillicothe  
 Vivian Lee Stockman, Akron  
 Monica Ellen Taylor, Columbus  
 RuthAnn Thrailkill, Toledo  
 Stephen Clark Thurman, Columbus  
 Terrence Michael Toon, Columbus  
 Theodore Harold Verhoff, Ottawa  
 Anthony Joseph Vidmar, Kirtland  
 Cindy Lee Weinheimer, Cincinnati

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Sandra Lee Whisler, Kirtland  
Robin David Wills, South Amherst  
Erin Kay Wilson, Nashports  
Barbara Lynn Wood, Lyndhurst  
James Timothy Wood, St. Bernard  
Jennifer Yeager, Columbus  
Sam Edward Yee, Cleveland

## Agricultural Technical Institute—Wooster

### Associate in Applied Science

Pauline Danette Anderson, Frazesburg  
Carol Ann Apicella, Hudson  
Susan Marie Barnes, Lorain  
April Lyne Bates, Columbus  
Robert Eugene Battisti, Jr., Novelty  
Ronald William Baumann, Amherst  
Gladys Marie Beascher, McCutchenville  
William Alan Becks, Westlake  
Charles Dean Bell, Oregon  
Robert Eugene Bender, St. Marys  
Debra Bisel, Shelby  
Michelle Ann Boes, Defiance  
Duane Douglas Borgelt, Shelby  
Brice Olsen Bowman, Elmore  
George Bernard Briek, Jr., Youngstown  
Stanley Marc Brockman, Granville  
Richard Monroe Bryson, Tallmadge  
Scott Carroll Canfield, Wooster  
Jeffrey Joseph Carson, Girard  
Larry Robert Cisler, West Salem  
Thomas Martin Clelan, Wooster  
Kenneth Lester Coleman, Hamilton  
Malcolm Andrew Creager, Westerville  
Brad Alan Cronebach, Ashland  
Dale Joseph Daniels, New London  
Mac E. Darnell, Madison  
Jeffrey Kent Dawson, Louisville  
Kevin R. Deckerd, Louisville  
James Michael DelPrince, Ashtabula  
Anne Marie Dilworth, Troy  
Richard A. Doty, Kent  
Kevin Alan Fenton, Newcomerstown  
Jeffrey Charles Fontaine, Oxford  
Mark John Foss, Solon  
Travis Keith Garrett, Laurelville  
Jerald Alan Garver, Ney  
David Dwight Gorrell, Waterford  
Wayne Clayton Gray, Bentleyville  
Christopher L. Griffin, Oak Harbor  
Linda Carole Grove, Alexandria, Pa.  
Michael William Hane, Louisville  
Bryan Leo Hawk, Lima  
Roxie Irene Haynam, Minerva  
Mary Ann Heilman, London  
Matthew George Hofelich, Fremont  
Rebecca Brayton Hoffman, Shaker Heights  
Jeffery Wayne Holdman, Findlay  
Douglas Alan Howe, Newark  
Jon Michael Hulsmeyer, Anna  
Patrick Edward Hupp, Kingston  
Elizabeth Suzan Johnson, Goodrich, Mich.  
Craig Alan Jones, Grelton  
Daniel Elias Karam, Cuyahoga Falls  
Luanne Kendall, Frankfort

Matthew Paul Kromer, Sandusky  
Sue Ann Lassnick, Painesville  
Melinda Lee Leight, Middletown  
Kevin E. Lehnhart, Lucas  
Karen Suanne Leunk, Apple Creek  
Kevin Wyatt Lilly, West Salem  
Mary Louise Lindsay, Canton  
Mark Alan Lugbill, Columbus Grove  
Roy William Mangun, Carrollton  
Danelle Marie McCallum, Akron  
Karen Marie McGoron, Cincinnati  
Philip Francis Mendiola, Barberton  
Holly L. Messick, Granville  
Shawn Andrew Michalec, Akron  
Elizabeth Ann Mockler, Milan  
Scott Andy Mohr, Bakers Summit, Pa.  
Jane Ellen Moloney, Sidney  
Bradford James Montgomery, Deerfield  
Dianne Lynn Moore, Newark  
John David Morand, Wilmington  
David Robert Mushalek, Barberton  
Patricia Ann Nemitz, Lakewood  
Douglas Alan Nickels, Loudonville  
Ralph Carlo Noletti, Wooster  
Jody Lynn Offenber, Grafton  
Michelle Lynn Ott, North Canton  
Curtis Howard Painter, Hebron  
Scott Michael Patrick, Kingston  
James R. Patton, Belle Center  
John Thomas Patton, New London  
Kirk Allen Petroff, Alliance  
Patrick George Place, Dayton  
Ellen Ruth Powell, Charleston, W. Va.  
Dennis Alan Pringle, Big Prairie  
Robert E. Pritchard, Mansfield  
Timothy Lee Ramsier, Marshallville  
James Dwight Rice, West Mansfield  
Mark Alan Rose, Forest  
Douglas Duane Roth, Mt. Pleasant, Iowa  
Paula Dale Rowland, Newark  
Connie Ruth Rummel, New Philadelphia  
Lisa Rose Salyer, Grove City  
Randy Robert Samko, Parma  
Pamela Jean Scheetz, Millersburg  
Lynda Jean Schilling, Farmersville  
Nicki Ann Schmitt, Sylvania  
Bryan James Schmucker, Louisville  
David Earl Shock, Prospect  
Brian Keith Siler, Ashland  
William Todd Smith, Greenwich  
Susan Pauline Specter, Cincinnati  
Martha Lynn Springsteen, Lodi  
Mark Kevin Steiner, Dalton  
Brent Duane Stephenson, Lucas  
Bruce Montgomery Stertzbach, Uniontown  
Dana Lynn Stewart, Twinsburg  
David Mandel Stinson, Seville  
Michael Charles Stockmaster, Attica  
Karla Rae Sturman, Mansfield  
Gail Robert Swords, Huron  
David Eugene Szalay, Cleveland Heights  
Sherry Ruth Tarantino, Wooster  
Frederick William Traxler, Tiffin  
Janet Lynn Trifonoff, Akron  
Patrick Lee Waldock, Attica  
Christine Louise Warren, Bluffton  
Thomas Garrett Weidner, Sterling  
Marty Lee Wendt, Fremont  
Brad Lee Westrope, Mansfield

Jeffrey Allen Willoughby, Burgoon  
Tyler Timothy Wilson, Springfield  
Frederick Bernard Wither III, Cincinnati  
Clayton George Woodhall, Medina  
Timothy Wayne Woods, Circleville  
Joseph Monte Wright, Newark  
Winston L. Wyckoff III, Burbank  
Francis Dean Zimmerman, Lowellville  
Nancy Jo Zimmerman, Ashland  
René Ziol, Cleveland  
Jane Estelle zurBurg, Grandledge, Mich.

## College of Dentistry

Dean: William R. Wallace

### Doctor of Dental Surgery

Anthony David Adamo, Seven Hills  
B.S. (John Carroll University)  
Richard Clayton Adams, Toledo  
Solon Alexiou, Akron  
B.S.  
Jean A. Allen, Cincinnati  
B.S. (Xavier University)  
Marla Jean Allen, Mt. Orab  
A.S., B.S. (Xavier University)  
William Charles Anderson, Ashland  
B.S.  
Kenneth L. Andow, Mentor  
Nancy Eileen Arbogast, McComb  
Daniel Raymond Armeni, Youngstown  
B.E. (Youngstown State University)  
Robert Scott Bacon, Lorain  
B.A. (Wittenberg University)  
Peter Douglas Balega, Cleveland  
Robert Bruce Banchevsky, Columbus  
B.S.  
Norman Keith Barbone, Mansfield  
B.S.  
Joyce Lila Bassett, Toledo  
B.A. (University of Toledo)  
Jeffrey Sumner Baxter, Van Wert  
B.S.  
William Scott Begalla, Youngstown  
B.S. (John Carroll University)  
Edward Alexander Belkin, Columbus  
B.S.  
Charles William Bell, Cincinnati  
B.A. (Vanderbilt University)  
David Chambers Bell, Jr., Cincinnati  
B.A. (Vanderbilt University)  
Alexander Usher Bierman,  
Los Angeles, Calif.  
B.A. (U.C.L.A.)

Gregory Mark Blackstone, Presque Isle, Me.  
B.S. (Houghton College)

Gary Robert Blumberg, Lorain  
B.S.

Deborah Elizabeth Brevitz,  
Battle Creek, Mich.  
B.S. (University of Michigan)

Judith Sharon Bright, Loudon, Tenn.  
B.A. (University of Tennessee);  
M.S.

Champ Coy Brown, Cincinnati  
B.A. (Northwestern University)

David Theodore Brown, Lima  
B.S.

Rickey James Burger, Dayton  
B.S. (Wright State University)

Richard H. Burns, Jr., Troy  
B.A. (Miami University)

Thomas J. Burrell, Richmond, Ind.  
B.A. (Indiana University)

Susan Elaine Butt, New Carlisle  
B.A. (Miami University)

Timothy Peter Cadden, Canton  
B.S.

Louis Michael Carratola, Parma Heights  
B.S. (John Carroll University)

Robert Otto Caseldine, Dayton

Stephen Emil Cellier, Port Clinton  
B.A. (University of Toledo)

Jeffrey Michael Chauvin, Norwalk  
B.A. (Miami University)

Victor Brian Ciancetta, Steubenville  
B.S.

Starla Dagele Clark, Cincinnati  
B.S. (University of Iowa)

Matthew A. Clemens, Middletown  
B.A. (Miami University)

Van Scott Cogley, Pittsburgh, Pa.  
B.S. (Lock Haven State College)

Dante Colosimo, Columbus  
B.S.

John Raymond Conte, Akron  
B.A. (University of Toledo)

Gregory Sean Cousino, Columbus  
B.S.

David Wesley Crandall, Xenia  
B.S.

Adele Fauth Daily, Huron  
B.A. (University of Hamburg—  
West Germany);  
B.S. (Bowling Green State University)

Anthony Joseph DeCamillo, Ashtabula  
B.S. (Case Western Reserve University)

Dwight David Dessart, Cincinnati  
B.S., M.B.A. (Xavier University)

Kevin James DiStefano, Sea Cliff, N. Y.  
A.A. (Nassau College);  
B.S. (C. W. Post College);  
M.S. (Long Island University)

Patricia A. M. Doyle, Cincinnati  
R.D.H., B.S.;  
M.P.H. (University of Michigan)

William Edward Dragolich, Euclid  
B.S. (John Carroll University)

Thomas Edward Earley, Minster  
B.S.

Phillip Elmo, Youngstown  
B.S.

Brian Norman Feeney, Bryan  
B.S.

Timothy Ference, North Olmsted  
B.S.B. (Miami University)

William Henry Floyd, Hamilton  
B.A.

Joseph John Fonagy, Masury  
B.S. (Youngstown State University)

Mark Robert Ford, Columbus  
B.S. (Providence College)

James Randall Franklin, Peebles  
B.S.

Tamila Lynn Franklin, Peebles  
B.A.

Bruce Allen Fraser, Steubenville  
B.S.

Michael John Freeman, Pemberville  
B.S. (Heidelberg College)

Billie Sue Fritz, Frostburg, Md.  
B.S.

John R. Fuson, Crestline  
B.S. (Lee College)

Michael A. Galgozy, Willowick  
B.S., M.S. (Cleveland State University)

Kevin Gannon, Pittsburgh, Pa.  
B.S.

Douglas Gilbert Genninger, Cincinnati  
B.S. (Miami University)

Fred Steven Glick, Beachwood  
B.A. (Boston University)

Louis Anthony Gloriosio, Sagamore Hills  
B.S. (John Carroll University)

Cary Neil Goldstein, Shaker Heights  
B.A. (University of Toledo)

Michael M. Granata, Toledo  
B.A. (University of Toledo)

Margarete Haiss, Alliance  
B.A. (Kenyon College)

Barbara Anne Hanson, Columbus  
B.S. (State University of New York at  
Stony Brook)

James Francis Helmkamp, Akron  
B.S. (University of Akron)

Thomas Alban Herberger, Wellington  
B.G.S. (University of Kentucky)

Edward Charles Herman, Gahanna  
B.S.

Thomas Eugene Hoffman, Columbus  
B.A. (Ohio Wesleyan University)

Gregg Bernard Holtkamp, Cincinnati

Kay Spriestersbach Hoppers, Columbus  
R.D.H.

Jeffrey Colin Huber, Piqua  
B.A. (Duke University)

Joseph Lawrence Hutta, Poland  
B.S.

Terence A. Imbery, Genoa  
B.A. (St. Joseph's College of Indiana)

Michael Alan Jack, Wadsworth  
B.S. (University of Akron)

Richard Lewis Jackson, Oberlin  
B.A. (Miami University)

James William Jelinek, Jr., Lancaster  
B.S. (Ohio University)

David Morris Johnson, Xenia  
B.S. (George Williams College)

Richard Edward Johnson, Fairfield  
B.S.

Debbie Ann Juruaaz, Austintown  
B.S.

Mark William Kaho, Columbus  
B.S. (Muskingum College)

Wade A. Karhan, Orrville  
B.S. (University of Akron)

Sanjiv Mohan Kaul, Tallmadge  
B.A. (Oberlin College)

Paul Michael Kelley, Akron  
B.A. (University of Notre Dame)

Gary Allen Kennedy, South Point  
B.S. (Marshall University)

Larry David Kennedy, South Point  
B.S. (Marshall University)

Robert Vincent Kinney, Jr., Columbus  
B.S., M.S.

John William Kisner, Medina  
B.S.M.E. (Colorado State University)

Monica Ann Knue, Cincinnati  
B.A. (University of Detroit)

Lawrence Anthony Lambroia,  
East Northport, N. Y.  
B.A. (Hofstra University)

Craig Carlton Lanik, Uniontown  
B.S. (Kent State University)

Kevin Michael Larkin, New Lebanon  
Alan Louis Laub, Cincinnati  
B.S.

Walter Robert Leonard, Logan  
B.M.E., M.A.

Mark M. Lima, Worthington  
B.S.

Beth Anne Loew, Toledo  
R.D.H., B.S.



Fredrick Alan Lurie, University Heights  
B.A. (Miami University)

John Dee Lyons, Rocky River  
B.A. (Ohio Wesleyan University)

Ihor Mahlay, Parma  
B.S.

James Robert Male III, Wintersville  
B.S.

Adele Marcotuli, New Castle, Pa.  
B.S. (Westminster College)

John Michael Marque, Lancaster  
B.S.

James Trenton Mathias, Warren  
B.S.

Carl Robert Maurer, Jamestown, N. Y.  
B.S. (John Carroll University)

William Kirk Mayhew, Cleveland  
B.A. (Adrian College)

Dale E. McDonald, Brookville  
B.S. (Brigham Young University)

Scott Louis McDonald, Elyria  
B.S.

Gordon James McKay, Long Beach, Calif.  
B.A. (California State University at Long Beach)

Scott Thomas McPherson, Cincinnati  
B.S. (Vanderbilt University)

Marc Warren Michalowicz, Brooklyn, N. Y.  
B.A., M.Sc. (Brooklyn College of City University of New York)

Mark Alan Miely, Columbus  
B.A. (Wittenberg University)

Linda Sue Might, Canfield  
B.A., B.A. (Wittenberg University)

Allan John Milewski, Seven Hills  
B.A. (Miami University)

Richard Jon Miller, Rocky River  
B.A. (The College of Wooster)

Frederick William Mitchell,  
Gordon Heights, N. Y.  
B.S. (Dickinson College)

Shawn Richard Nally, Troy  
B.A. (Miami University)

Raymond John Nicol, Alliance  
B.S.

John W. Novotny, Mingo Junction  
B.A. (University of Dayton)

Casey Louis O'Connor, LaSalle, Mich.  
B.S.

Elizabeth A. Odenweller, Delphos  
A.S. (West Liberty State College);  
B.S.

Frederick Blackburn Olsen III, Warren  
B.A. (Wittenberg University)

Michael James O'Meara, Deerfield, Ill.  
B.S. (Marquette University);

John Martin Oris, Galion  
B.S.

Charles M. Pap, Lyndhurst  
B.S. (John Carroll University)

Robert Allen Paradis, Fort Kent, Maine  
B.S.

Robert W. Payne, Cincinnati  
B.S.

Rodney Duane Phoenix, Barberton  
B.A.

Urban Michael Picard, Connaught  
B.S. (John Carroll University)

Harold Mark Pinsky, Toledo  
B.S.

Edward Joseph Pollander, Vernon  
B.S.

Bradford James Porter, Moorestown, N. J.  
B.S. (Saint Lawrence University)

Gregory Dean Prater, South Point  
B.S. (Marshall University)

David Alan Pressler, Barberton  
B.A.

Bradley Stephen Rabal, Bellville  
B.S.

David Alton Ray, Columbus  
B.S., M.S.

Robert Ryan Reihm, Long Beach, Calif.  
B.S. (University of California at Irvine)

Christopher Alan Roberts, Lima  
B.S.

Judy Ann Robinson, Centerville  
R.D.H., B.A.

Paul Thomas Rodeghero, Kettering  
B.S. (University of Cincinnati);  
M.S. (Wright State University)

David Anthony Rositano, Lorain  
B.S. (Denison University)

Barry Steven Ross, Cincinnati  
B.S. (University of Cincinnati);  
M.S. (Eastern Kentucky University)

Steven G. Rothan, Cincinnati  
B.S. (Xavier University)

Michael Thomas Ruetty, Westerville  
B.S. (Ashland College)

David Alan Russell, Steubenville

Christopher John Ruszkowski, Independence  
B.A. (Cleveland State University)

Duane Robert Schafer, Solon  
B.A. (Miami University)

Lawrence Paul Schmakel, Toledo  
B.A. (University of Toledo)

Dale Stanley Sharples II, Coshocton  
B.S. (United States Military Academy,  
West Point);  
M.S. (Brigham Young University)

Anthony Benjamin Sims, Brooklyn, N. Y.  
B.A. (Union College)

Mark Sisko, Akron  
B.S. (University of Akron)

David Charles Sisson, Fairfield  
B.S.

Jeffrey A. Sloan, Sylvania  
B.A. (Miami University)

David Kendall Smith, Gallipolis  
B.A. (Miami University)

Mark Brady Solier, Youngstown  
B.S. (Adrian College)

Robert L. Spero, Kalamazoo, Mich.  
B.S. (Western Michigan University)

James Allen Springer, Archbold  
A.S. (Northwest Technical College);  
B.A. (University of Toledo)

Erik Egils Sprogis, Hiram  
B.A. (Hiram College)

David Barton Steck, Columbus  
B.S.

Jeffery Bruce Stoller, Willard  
B.S. (University of Akron)

Jan G. Stollings, Xenia  
B.S. (Ohio Northern University)

John Michael Storey, Youngstown  
B.S. (Youngstown State University)

David George Szana, Waterville  
B.S.

Daniel Lee Taylor, Columbus  
B.A. (Cedarville College)

David Scott Teufel, Erie, Pa.  
B.A. (Thiel College)

Mark S. Traugh, Columbus  
B.S.

Thomas F. Trinkner, Mt. Vernon  
B.S. (University of South Carolina)

Peter John Tsvitae, Solon  
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Jerome Marc Urell, Columbus  
B.S.

Daniel Albert von Deutsch, Cleveland  
B.S. (Cleveland State University)

Dale Alan Wahl, Cincinnati  
B.S. (University of Cincinnati)

Frank Bruno Wanat, Youngstown  
B.A., M.A. (Youngstown State University)

Douglas Guy Wenzel, Puyallup, Wash.  
B.S. (University of Washington)

Joel Morris White, Norwood, Mass.  
B.S. (Purdue University)

Susan Kay Wilson, Columbus  
B.A.

Keith Allen Wing, Columbus  
B.S. (University of North Carolina at Chapel Hill)

Charles Edward Witkowski, Sr.,  
Mt. Carmel, Ill.  
B.S. (University of Illinois);  
M.S. (Murray State University)

Andrea Woodlock, Girard  
B.S. (Youngstown State University)

Paul G. Wyse, Wauseon  
B.S.

Richard Alan Yausa, Cincinnati  
A.B. (Miami University)

Tonnie L. Young, East Chicago, Ind.  
A.D., B.S. (Indiana University)

Susan Ann Yung, Shaker Heights  
R.D.H., B.S.

Timothy J. Zimmerman, Middletown  
B.S.

## Certificate of Graduate Dental Hygienist

Rose Mary Abruzzi, Warren  
Tracy Lee Bell, Avon Lake  
Patricia Lynne Bellish, Canfield  
Rachel Susan Cohen, Shaker Heights  
Phyllis Ann Connell, Pickerington  
Lynne Rose Cornelius, Stockholm, N. J.  
Christine L. Darmochwal, Parma  
Pamela B. Delille, Columbus  
Monica M. Demacopoulos, Warren  
Paula Christine Dew, Columbus  
Jennifer Ann Dunn, Columbus  
Constance Anne Fearon, Cuyahoga Falls  
Kimberly Marie Foutty, Kent  
Jane Ann Fox, Celina  
Mindy Joy Friedland, Cleveland Heights  
Lori Ann Gaiser, Centerville  
Cynthia Gerris, Hilliard  
Barbara Jean Hamilton, Mansfield  
Ingrid Ann Gubesch, Canton  
David Lynn Hamilton, Mansfield  
Ellen Herberger, Wellington  
Carol Louise Hines, Troy  
Julie Ann Holloway, Whitehouse  
Lori Ann Hyde, Columbus  
Charlotte Emily Jones, Worthington  
Kimberlee Kae Kokinda, Port Clinton  
Theresa Kronauge, Dayton  
Ranae Ann Lake, Mansfield  
Shannon Louise Lennox, Walbridge  
Susan Lynne Martin, Montpelier  
Olga Milagros Montes, Lorain  
Tina Marie Moore, Jackson  
Kimberly Ann Pordan, Lyndhurst  
Constance D. Reynolds, Cleveland  
Denise Catherine Roesch, Westerville  
Jennifer Lynn Schuermann, Kettering  
Laurie Marie Schumacher, Cincinnati  
Linda Lee Schweizer, Oregon  
Brigitte Marie Sheffer, Granville  
Laurel Ann Smith, Mansfield  
Beth Ann Stetler, Celina  
Mary Kathleen Swanson, Rocky River  
Nancy Michele Syring, Warren  
Cheryl Lynn Thompson, Groveport  
Kimberly Denise Thompson, Arcanum  
Vicki Ann Tomashot, Dayton  
Nadine Therese Vulich, Youngstown  
Vicki Sue Weinstein, Middletown  
Rebecca Jane Welker, Worthington

## College of Education

Dean: Robert A. Burnham

### Bachelor of Science in Education

Colleen Ann Alexander, Wooster  
Evelynovonne M. Alexander, Mansfield  
Sharon Louise Alpin, Richmond  
Kimberly Dawn Anderson, Newark  
Melanie Sue Andrews, Lexington  
Bryan Patrick Anstaett, Batavia  
Dwight Elliott Anstaett, Batavia  
Margarita M. Argyropais, South Zanesville  
Shelley Ann Austin, Lima  
Christopher W. Ayres, Reynoldsburg  
Suzanne Marie Bahr, Greensboro, N. C.  
Karen Marie Baker, Worthington  
David Danbausha Bako, Bauchi, Nigeria

Adamu Mohammed Bamani,  
Bauchi, Nigeria  
Aaron Matthew Basinger, Columbus Grove  
Randy Van Bates, New Concord  
Thomas William Bates, Brunswick  
Kathleen Sue Bauer, Galion  
Sara Jayne Bazzoli, Dover  
David Lowell Beatty, Marion  
Tracy Lee Bell, Avon Lake  
Linda Joyce Benschneider, Van Wert  
Priscilla Elaine Bizzarro, Columbus  
Susan Lynn Bocock, Wheelersburg  
Beth Ann Bodle, Heath  
William Elzworth Bogan, Milan  
Rebecca Lynn Bohach, Galion  
Linda Kay Booker, Columbus  
Karen Elizabeth Brazell, Bay Village  
Christine Elizabeth Breininger, Columbus  
Allan Brenner, Dayton  
Johanna Brewer, Columbus  
Mary Elizabeth Brochetti, Columbus  
David Elliot Brown, Akron  
James Earl Brown, Grove City  
James Jonathan Brown, Edinburg, Pa.  
Lisa Anne Browning, Columbus  
Carl Joseph Bucher, Columbus  
Haruna Bi-Allah Bukar, Bauchi, Nigeria  
Rosemarie Burbach, Mansfield  
Tracy Ann Burdette, Middleport  
Julie Lynn Burkhart, Mansfield  
Mary Martha Burnett, Fort Worth, Tex.  
Carol Ann Burton, Mansfield  
Laurie Jean Byerley, Grafton  
Kelly Lynn Calvert, Pleasant City  
Lisa Ann Camardo, Cincinnati  
Penny Barbara Cannon, Grove City  
Martha Ann Cantlebar, Newark  
Charmaine Rene Caperton, Columbus  
David Ray Caperton, Columbus  
Elizabeth Ann Chaney, Washington C. H.  
Elaine Marie Chase, Parma  
Cara Lis Chenfeld, Columbus  
Karen Ann Chin, Westfield, N. J.  
Denise Smith Ciferno, Columbus  
Paula Barber Clark, Millersport  
Christopher John Clay, Sidney  
Victor Alan Cogan, Amsterdam  
Sharon Bissell Cole, Dayton  
Deborah Jean Collier, Springfield, Va.  
Kelly Jo Collins, Grove City  
Angela Jane Conine, Findlay  
Christine Eileen Connor, Columbus  
Sara Ann Conway, Columbus  
Lynda Kay Corder, Coshocton  
Lynne Rose Cornelius, Stockholm  
Karen Whittaker Corson, Spencerville  
Kenneth Robert Cousino, Sandusky  
Daniel Patrick Cox, Highland Heights  
Debra Lynn Creamer, Grove City  
Jennifer Hartman Cross, Amlin  
William Harold Crow, Jr., Upper Sandusky  
Loni Kay Croy, Findlay  
Martha Elizabeth Curry, Lima  
Anne Alise Cuticchia, Upper Arlington  
Holly Susan Cyphert, Worthington  
Jeffrey Allen Dalzell, Newark  
William Ernest Damude, Mansfield  
Lauriann Dattilo, Columbus  
Laura Beth Davis, Columbus  
Joyce Arleen Davison, Warren  
Meleidy June Dawson, Columbus  
Jill Ellen Decker, Sherwood  
Pamela B. Delille, Columbus  
Monica M. Demacopoulos, Warren  
Anna Maria Demeter, Columbus  
Nancy Carolyn Denman, Canal Winchester  
Diana Mary DeVol, Columbus  
Valerie Ann Diccio, Columbus  
Kerry Marie Donahue, Columbus  
Nancy Laird Donaker, Coshocton  
Rebecca Maria Doss, Shaker Heights  
Elaine Kay Doughty, Conesville  
Semia Marie Downs, Columbus  
Jennifer Ann Dunn, Columbus  
Christine Marie Durco, Rossford  
Jill Lorraine Dutton, Lima  
Beth Ann Ebinger, North Fairfield  
Michael William Eccard, Columbus  
Vickie Lynn Eichelberry, Shelby  
Mary Catherine Einsel, Fort Myer, Va.  
Patricia Ann Ellick, Cleveland Heights  
Mary Beth Ellis, Upper Sandusky  
Terrance Allen Emery, Marion  
Laura Lee England, Marion  
Lisa Ann Estep, Springfield  
Sarah M. Evans, Willoughby  
John Allan Evick, St. Clairsville  
Donna Claire Fahrlander, Columbus  
Chris Ann Falkenberg, Gahanna  
Barbara Ann Farnbacher, Dayton  
Catherine A. Fearing, Columbus  
Jay Wilson Fechter, Delaware  
James Vincent Federico, Columbus  
Jonathan Emery Flaughter, Mansfield  
Robert Lee Fliger, Jr., Loudonville  
Maureen Kay Flora, Cardington  
Gary Alan Fortuna, Euclid  
Lisa Jean Fosheim, Fairborn  
Jeanette B. Foster, Ashland  
Jerome Foster, Detroit, Mich.  
Kimmerly Stock Foster, Columbus  
Jane Ann Fox, Celina  
James Lindsay Freeze, Massillon  
Doreen Kim Frisbee, Cambridge  
Karen Ann Garrison, Columbus  
John Edward Garwig, Canfield  
Nancy M. Geiser, Cincinnati  
Kay Ann George, Columbus  
Daniel Otto Gerhard, Dayton  
Nancy Ann Germann, Ohio City  
Lori Ann Gillard, Columbus  
Gregory Alan Gillum, Shiloh  
Marla Rae Goodman, University Heights  
Cheryl Lynn Gordon, Mansfield  
Elizabeth Lynn Grant, West Carrollton  
Patricia Sue Grant, Granville  
Patricia Ann Grayson, Wooster  
Beth Ann Greene, Lima  
Holly Jade Greene, Reynoldsburg  
Larry Herman Gregory, Columbus  
Carol LeCompte Griffith, Columbus  
Stephen Russell Grill, Columbus  
Tamara Lou Grosz, Canal Winchester  
Brent Allen Guess, Hilliard  
Jack Gainako Gumpy, Bauchi, Nigeria  
Debra Lynn Gutridge, Howard  
Ibrahim Bawa Gwani, Bauchi, Nigeria  
Ronald Eugene Hairston, Columbus  
Kimberly Ann Hall, Clyde  
Barbara Jean Hamilton, Mansfield  
Donna Jean Hamilton, Columbus  
Sherrill Marie Hansen, Woodfield  
Melissa Ann Hanzel, Barberton  
Carla Ann Harkulich, Chagrin Falls  
Valerie Dale Harper, Newark  
Kathleen Hartman, Columbus Grove  
Jackie Ann Hatcher, Westerville  
Katherine Ann Heeb, Xenia  
Steven Douglas Hefner, Troy  
Patricia Ann Hegenberger, Powell  
Ellen Herberger, Wellington  
Carol Andrea Himes, Columbus  
Mary Susanne Hlrfka, Conneaut

Susan Kay Hoagland, Columbus  
 Erich Ewald Hoffmann II, Belleaire  
 Steven Kent Hohulin, Wooster  
 Christine Ann Holt, Lima  
 Jacqueline Sue Horlocker, Westerville  
 Jeffrey Douglas Horst, Galloway  
 Julia Lynn Howard, Delaware  
 Sandra Elaine Howe, Dayton  
 Lisa Lynn Hoyo, St. Clairsville  
 Laura Elizabeth Huddleston, Gahanna  
 Debra Ellen Hughes, London  
 Cheryl Kay Irwin, Bucyrus  
 Ibrahim Abubakar Isyaku,  
   Bauchi State, Nigeria  
 Gerard Thomas Izzo, Bellefontaine  
   A.B. (Kenyon College), M.A.  
 Cynthia Beth Jacobson, University Heights  
 Garba Aliyu Jalam, Bauchi State, Nigeria  
 Andrew William Jones, Columbus  
 Carolyn Sue Jones, Columbiana  
 Daniel Edward Jones, Columbus  
 Janet Lucille Jones, Upper Arlington  
 Linda Suzanne Jones, Worthington  
 Susan Marie Joseph, Bucyrus  
 Gary James Kapostasy, Fairport  
 Linda Louise Karako, Fairport Harbor  
 Lois Mae Karhoff, Findlay  
 Douglas B. Kent, Galion  
 Macrina Ann Kershner, Reynoldsburg  
 Dawn Michelle Kessler, Independence  
 Carrie Anita Kester, Bridgeport  
 Suzanne Marie Ketcham, Rushville  
 Alice Mary Kezman, Barberton  
 Kimberly Dawn King, Reynoldsburg  
 Kimberly June Kirkendall, Cridersville  
 Susan Jane Kirkland, Cadiz  
 Pamela Faye Kitchen, Columbus  
 Karen Kay Klapp, Tiffin  
 Carolyn Elizabeth Klunk, Powell  
 Martha Sue Kohls, Fort Jennings  
 Deborah Lee Kratoski, Tallmadge  
 Cathy Jo Krause, Mayfield Heights  
 Kimberly Kay Krebs, Columbus  
 Theresa Kronauge, Dayton  
 Ranae Ann Lake, Mansfield  
 George Edmond Lambert, Centerburg  
 Carol Sue Landrum, Cleveland Heights  
 Shelly Fern Lang, Troy  
 Linda Jolly Lassen, Abington, Pa.  
 Cynthia Ann Lauvray, Coshocton  
 Sandra Jean Bloodfield Lawless,  
   West Jefferson  
 Karen Lynn Leewood, Newark  
 Shannon Louise Lennox, Walbridge  
 Cynthia Renee Letjekides, Massillon  
 Catherine Lee Lhamon, Lima  
 \*Anne Elizabeth Loftus, Columbus  
 Kathy Ann Lucas, Columbus  
 Karen Ruth Luehring, Cleveland Heights  
 Erik Anderson Lundell, Hebron  
 Chris Ellen Lyle, Toledo  
 Madge Alayne Mabrey, Kenton  
 Timothy Alan Mack, Independence  
 DeLynn E. MacQueen, Columbus  
 F. Howard Mandel, South Euclid  
 Christine Lynn Marotto, Cincinnati  
 Melinda Ann Marquardt, Parma Heights  
 Barbara Jo Martin, Grove City  
 Susan Lynne Martin, Montpelier  
 Michelle Marie Matulich, Columbus  
 Marilynn Sue Mazzeol, Columbus  
 Lauren Colleen McCaffrey,  
   Highland Heights  
 Patricia Ann McCoy, Bucyrus  
 Peggy Lynn McElhatton, Galion  
 Sherry Lou McFarland, Mt. Vernon  
 Dorothy Anne McHugh,  
   Williston Park, N. Y.

Tamara Lyn McNutt, Hilliard  
 Steven Douglas McPeck, Newark  
 Michele Dee McPheron, Lima  
 Cheryl Ann Meckler, Akron  
 Karen Lee Meier, Mt. Healthy  
 Ronald Bret Meigs, Westerville  
 Christie Mendenhall, Columbus  
 Craig Michael Meredith, Granville  
 William Joseph Merz, Columbus  
 Robin Markos Meyer, Columbus  
 Deanne Louise Miller, Lima  
 Janelle Boggs Miller, Delphos  
 Peggy Mae Miranda, Columbus  
 Kathy Lynn Mitchell, Rushsylvania  
 Vina Bermudez Mogg, Tacoma, Wash.  
 Jalo Ibrahim Mohammed,  
   Bauchi State, Nigeria  
 Rita Marie Montalto, Newark  
 Terri Lynn Mordas, Hudson  
 F. Michelle Morgan, Newark  
 Lora Jane Morrison, Pataskala  
 Catherine Mulholland, Monroe, Conn.  
 John Charles Mumaw, Columbus  
 Kathleen Gaylor Musheno, Columbus  
 Daniel Arthur Myers, Franklin, Mass.  
 Dena Kay Naumoff, Columbus  
 Thomas Charles Neate, Sandusky  
 Michele Ann Neja, Galion  
 Connie Sue Neutzling, Mansfield  
 Jeri Ann Nichols, Carrollton  
 Susan Arleen Nolan, Coshocton  
 Themi Nolidis, Willowick  
 Erin Jane Noykos, New Hampshire  
 Patricia Kay Noykos, New Hampshire  
 Caroline Oetzel, Milan  
 Ilanit Ohel, South Euclid  
 Elsie Marie Oldenburg, Mentor  
 Mary Jane Olinski, Neffs  
 Gary Adam Orseno, Amherst  
 Teresa Ann Ours, New Philadelphia  
 Lisa Diane Paetsch, Mansfield  
 Barbara Lynn Page, Toledo  
 Diane Marie Palmiero, Columbus  
 Cynthia D. Parrill, Newark  
 Dora Camille Passante, Columbus  
 Jay Martin Patterson, Cambridge  
 Gregory Linden Paul, Columbus  
 Nancy Ellen Pearson, North Andover, Mass.  
 Natalie Jean Pearson, Reynoldsburg  
 Christine Marie Peltier, Piqua  
 Lyne Marie Peltomaa, West Jefferson  
 Rita Kay Pennington, Wilmington  
 Belinda Dawn Peoples, Columbus  
   B.A. (Mt. Union College)  
 Joseph William Picking, Ashland  
 David John Pintz, Newark  
 Derick William Polk, Cleveland  
 Kimberly Ann Pordan, Lyndhurst  
 Judith Ann Primmer, Lancaster  
 Debra Ann Proper, Galloway  
 Margaret Walburga Prunte, Columbus  
 Kimberly Ann Pryor, Tiffin  
 Mary Elizabeth Purves, Cincinnati  
 Doris R. Purvis, Marion  
 Diana Renee Quay, Belle Center  
 Nancy J. Rader, Columbus  
 Rhonda Louise Ratliff, Pataskala  
 Terre Ann Ray, St. Clairsville  
 Linda S. Reeder, Ottawa  
 Joni Ann Reser, Bucyrus  
 Robert Harry Rice, Mansfield  
 Patricia Jean Rickelman, Novelty  
 Julie Ann Rieser, Columbus  
 Elizabeth Ann Riley, Dayton  
 Donna Louise Rioux, Columbus  
 Roddy Clay Roark, Zanesville  
 Nanette Robertson, Kingsville  
 Denise Catherine Roesch, Westerville

John Francis Roesch, Columbus  
 Kimberly Lynn Rogge, Columbus  
 Rebecca Lynn Rombeiro, Reynoldsburg  
 April Denise Roney, Cincinnati  
 Roxanne Sue Rosler, Toledo  
 Wesley Alan Russell, Columbus  
 Jeri Ann Rozicka, Centerville  
 Rebecca Lola Rychener, Bryan  
 Shirley Lee Santo, Granville  
 Ellen Christine Sarafin, Mansfield  
 Sharon Lynn Satterfield, North Canton  
 Ann Catherine Savage, Blanchester  
 Elizabeth Joan Scali, Pepper Pike  
 Kathy Ann Schiernitzauer, Newark  
 Daniel Preston Schrier, Stow  
 Cherie Lynn Schultz, Ashland  
 Linda Lee Schweizer, Oregon  
 James Estle Seaman, Granville  
 Randy Lee Seavers, Alliance  
 Linda Eileen Shackle, North Canton  
 Terry Shafer, Columbus  
 Whitney Ann Shafer, Westerville  
 Paul Timothy Shank, Van Wert  
 Mary Carroll Shipman, Troy  
 Cheryl Lynn Shuff, Columbus  
 Debra Ellen Shidle, Orrville  
 Sharon Ann Siebert, Cincinnati  
 Mary Margaret Sigrist, Grove City  
 Rita Lorraine Sigrist, Columbus  
 Michael Edward Singerman, South Euclid  
 Mindy Lynn Skinner, Lancaster  
 Melodi Lane Slater, Lancaster  
 Diane Marie Smagatz, Middleburg Heights  
 Mary Jane Smarto, Galion  
 Kathleen Detrick Smith, Lakeview  
 Pamela Dawn Smith, Wooster  
 Paul Jerome Smith, Elida  
 Penny Lynn Smith, Massillon  
 Rhonda Karen Smith, Warren  
 Robi Kay Smith, Mechanicsburg  
 Phyllis Lou, Columbus  
 Melinda Gay Spencer, Gallipolis  
 Phyllis Ann Steele, Columbus Grove  
 Beth Ann Stetler, Celina  
 Jo Ellen Stevens, Bellville  
 Robert Earl Stewart, St. Clairsville  
 Lois Jane Strothman, Springfield  
 Susan Elaine Stump, Tiro  
 Phillip James Sullivan, Westlake  
 Susan Lynn Suszka, Toledo  
 Sharon Jolene Swigert, Coshocton  
 Walter Leigh Sword, Columbus  
 Rebecca Kingery Taylor, Plymouth  
 Dorene Sue Theil, Dayton  
 Myra Sue Thinnis, Cincinnati  
 Tierney Ellen Thomas, Columbus  
 Richard Kenneth Thomas, Worthington  
 Raejean Thompson, Marion  
 Barbara Ann Tisher, Lewisville  
 Jeanne M. Tobin, Centerville  
 Brian Lee Toops, Columbus  
 Michael Richard Totsch, Coshocton  
 Pamela Jane Towne, Hamilton  
 Mary Jane Trimner, Marion  
 Melanie Kay Trout, Duncan Falls  
 Rebecca Lu Turruttin, Worthington  
 Janet Marie Vagodes, West Milton  
 Teresa Ann VanFossen, Hilliard  
 Christine Ann VanMeter, Caledonia  
 Carol Marie Vorst, Elida  
 Lucinda Ann Voss, Galion  
 Jerome Kevin Wagner, Newark  
 Carol Annette Waldman, Findlay  
 Kathleen Ann Walters, Mansfield  
 Lisa Ann Warner, Johnstown  
 Argene Washington, Mansfield  
 Tracey Rai Watson, Marion  
 Deborah Sue Weaver, Columbus  
 Rick Lewis Weinger, Columbus

\* Awarded posthumously

Vicki Sue Weinstein, Middletown  
 Amy Lynn Weithman, Galion  
 Dianne Michelle Wellington, Granville  
 David Clemens Wells II, Westerville  
 Patricia A. Westinghouse, Powell  
 Marilyn Grice Weston, Marion  
 Rhonda Raye Whetstone, Lima  
 Deanna B. Whitaker, Worthington  
 Beverly Sue White, Columbiana  
 Jill Suzanne White, Marion  
 Linda Sue Whitely, Bellevue  
 David Edward Whitt, Oak Hill  
 Wendy Jane Wickliff, Columbus  
 Elizabeth Jean Widney, Columbus  
 Anne Therese Williams, Lima  
 Douglas Allan Williams, Zanesville  
 Lisa Anne Williams, Lima  
 Kim Ariana Willis, Wayne, Mich.  
 Janet Lee Wilson, Brunswick  
 John Franklin Wilson, East Liverpool  
 Lisa June Wilt, Mason  
 Kristal Kathleen Wion, Worthington  
 Molly Marie Wolfe, Mansfield  
 Pamela Ann Wren, Columbus  
 Vicki Renee Wright, Reynoldsburg  
 James Monroe Wyant, Elida  
 B.A. (Taylor University)  
 Linda Marie Yost, Westerville  
 Ronald Eugene Zielke, Carey  
 Lisa Kay Zimmerman, Upper Sandusky

**Bachelor of Art Education and  
 Bachelor of Music Education  
 degrees are offered jointly by the  
 College of the Arts and the  
 College of Education.**

Candidates are listed under  
 College of the Arts.

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Robert Gregory Barlow, Beavercreek  
 John Leo Bartley, Chagrin Falls  
 David Michael Baum, Zanesville  
 Thomas John Bouthiller, Franklin, Mass.  
 William Francis Buckley, Jr., Ashtabula  
 Bruce Ray Cogan, Waterville  
 Joseph Criscione, Parma  
 Laurence Edward Culligan, Kettering  
 Jack Jay Fox, Elyria  
 Kevin Darryl Gray, Rossford  
 Jay Dean Gwinn, Columbus  
 Patrick K. Haines, Tallahassee, Fla.  
 Iftikhar Ul Haq, Lahore, Pakistan  
 Thomas William Hesterman,  
 Ridgeville Corners  
 Suzanne Lorine Hipp, Sandusky  
 Brian Farrell Johnson, Blacklick  
 Tracy Anthony Johnson, Columbus  
 Ann Patricia Kerslake, Middleburg Heights  
 Kevin David Klonoski, Flint, Mich.  
 Patrick Martin Leard, Columbus  
 Paul Robert MacKinnon, Gahanna  
 James Joseph Martz, Columbus

Stanley Ervin McCary, Edinboro, Pa.  
 Robert Eugene McGrady, Columbus  
 Stephen Eugene Milderstein, Delta  
 Donald Francis Moore, Bangor, Me.  
 Kenneth Bruce Morris, Martins Ferry  
 Gerald Walter Noyes, Galena  
 Richard Conrad Oeftering, Elyria  
 Douglas Keith Pennington, Westerville  
 Gary Alan Pryor, Cincinnati  
 John Karl Ramsey, Mansfield  
 James Allan Rasmussen, Omaha, Neb.  
 Kirby L. Rothenbusch, Okeana  
 William Charles Russell, St. Louis, Mo.  
 Muhammad Shahab Samadi, Tehran, Iran  
 Thomas Dean Schulte, Jr., Wheelersburg  
 Joseph R. Shannahan, Paoli, Pa.  
 Frederick L. Shepherd III, Centerville  
 Anthony Thermos, Eleusis, Attica, Greece  
 Allen Rocky Thompson, Fairborn  
 Lewis Dean Walker, Kilgore  
 Michael Line Weakly, Findlay  
 Jay Kenneth Wiggins, Dayton

### Bachelor of Science in Agricultural Engineering

Ann Denise Christy, Columbus  
 Nicholas R. Hahn, Bellevue  
 Allan Glen Hanson, Newark  
 Rodney L. Huffman, Arcadia  
 Brian Douglas Jordan, Mansfield  
 Nora Jane McNamara, Toledo  
 Kym Wayne Moore, Urbana  
 Earl Dean Rhamy, Fredericksburg  
 Steven Larry Sanders, Pemberville  
 Sylvia Lynn Schonauer, Killbuck  
 Roger Linn Snyder, Leesburg  
 Kristopher Lee Swartz, Rossford  
 Nancy Ruth Wallace, Huber Heights  
 Thomas Charles Zimmer, Cincinnati

### Bachelor of Science in Aviation

Sharon Dawn Savage, Cincinnati

### Bachelor of Science in Ceramic Engineering

John Matthew Bauer, Portsmouth  
 Rastislav Brezny, Middletown  
 Claude Brown, Jr., Grove City  
 Neil Brown Castrodale, Westerville  
 Leslie Richard Crawford, Toledo  
 William Watson Davison, Granville  
 John Joseph Dosa, Alliance  
 Donald Ray Engelhardt, Alger  
 Jeffrey Lance Hall, Canton  
 Martin Arthur Hall, Chardon  
 Paul Richard Lee, Newark  
 Wayne Franklin Lougher, Upper Arlington  
 Rose Ann Seich, Massillon  
 John Ellis Smarto, Crestline  
 Richard Dale Smith, Barnesville  
 John Christian Stallsmith, Lancaster  
 Lawrence William Tiefenbach, Jr.,  
 Perrysburg  
 Rodney Ray Wilkins, Somerset

### Bachelor of Science in Chemical Engineering

Robert Mark Andes, Kent  
 Joanne Karen Appoy,  
 Port-of-Spain, Trinidad  
 Barbara Marie Bacskai, North Olmsted  
 Michael Brian Begland, Wilmington, Del.  
 Joseph F. Bishel, Kensington  
 James Victor Blackwell, Hamilton  
 Charles Dana Bond, Akron  
 Thomas David Burns, Columbus  
 Stephen Richard Cammarn, Worthington  
 D. Scott Carter, Cincinnati  
 Diana Marie Chen, Athens  
 Richard Gaeton Ciccotti, Jr., Solon  
 James Hull Cordray, Grove City  
 Donald Jeffery Davis, Huron  
 Craig Byron Dotson, Bothell, Wash.  
 Linda Sue Evans, Ottawa  
 James Claude Ferguson, Jr., Cincinnati  
 Tracy Lynn Flora, Brookville  
 Roger L. Frye, Van Wert  
 Robert Francis Gaus, Jr., Wheelersburg  
 Albert Michael Gesenhues, Louisville  
 David Bryan Henninger, Fairview Park  
 Kay James Herouvis, Rocky River  
 David Ralph Hopper, Columbus  
 Ronald Alan Howdysell, Amherst  
 Jack Roger Hughes, Jr., Portsmouth  
 Laurence Allan Ice, Brunswick  
 Susan Elizabeth Jezior, Acton, Mass.  
 Cheryl Lynn Kennedy, Wheelersburg  
 James Konuch, Lakewood  
 James Arthur Leonard, Trotwood  
 Elliot Louis Levine, Blacklick  
 Robert Phillip Lewis, Beavercreek  
 Thomas Michael Maloney, Wickliffe  
 Michael Ray Melick, Roseville  
 Anne Elizabeth Meyers, Sandusky  
 Julie Ann Minderman, Port Clinton  
 Martindale Nelson, Lucasville  
 Robert Lawrence Newman, Sandusky  
 Keith Robert Nowak, Genoa  
 Jeffrey William Patterson, Akron  
 John P. Paulos, Columbus  
 Lananh Thi Pham, Columbus  
 Lee Anne Raymond, Kirtland  
 Robert Alton Richard, Westlake  
 Christopher R. Richied, Troy  
 Timothy H. Robison, Columbus  
 Cora Belle Rogerson, Maineville  
 David John Sebold, Philadelphia, Pa.  
 Alan H. Smith, Sandusky  
 Gordon David Smith, Madison  
 Stephen Louis Spanoudis, Toledo  
 Ralph Wayne Tyree, St. Anthony, Idaho  
 Christina Marie Warner, Newark  
 Jeffrey Allen Watson, Newark  
 Ben Weinstein, Beachwood  
 David Lee White, Barberton  
 Leonore Catherine Witchey, Shelby  
 Robert Erik Young, Mansfield  
 Robert Edward Zimmerman, Akron

### Civil Engineer

Farid Farzannehr, Tehran, Iran  
 David Hassan Nourachi, Basrah, Iraq

## Bachelor of Science in Civil Engineering

Thomas John Arey, Berea  
Kevin Dale Barber, Chillicothe  
Nina Ellen Blanco, Lake Hopatcong, N. J.  
Edwin Evan Boggs, Jr., Lexington  
Matthew Alan Boone, Columbus  
Edward A. Brdicka, Middleburg Heights  
Jeffrey Scott Dailey, Bay Village  
James Ritter Davis, Woodsfield  
David Duane Denniston, Greenville  
Ahmed Khaled Elwy, Berlin, West Germany  
Daniel Alan Furgason, Columbus  
Mark David Gnatowski, Brooklyn Heights  
June Elise Routh Hankins, Austin, Tex.  
John Richard Hart, Charleston, W. Va.  
David William Hawkins, St. Clairsville  
Robert Anderson James, Fairborn  
Lars Rodney Johnson, Wooster  
Abdulmonem Yousef Kamhiyah,  
Kuwait, Kuwait  
Lik Lim, P. Jaya, Malaysia  
Theodore Ryan Lozier, East Sparta  
Floyd Robert McConnell, Columbus  
Michael James McCraw, Dayton  
William Thomas Morrison, Columbus  
Maroun Mansour Moussalem,  
Beirut, Lebanon  
Nicolas G. Moussi, Venezuela  
Amin Hassan Nasser, Beirut, Lebanon  
Randall Stanton Over, Hollidaysburg, Pa.  
Norman Lloyd Patton, Greenwich  
David M. Pioli, Marietta  
Rick Lee Poeppelman, St. Marys  
Kenneth William Ricker, Lima  
William A. Roosa, Middletown  
John Wesley Roth, Columbus  
Ali Shahabi, Tehran, Iran  
Ghassan M. Shihab, Damascus, Syria  
Thomas A. Sisterhen, Wadsworth  
Brent Edwin Slone, West Alexandria  
Craig Alvin Snively, North Canton  
Majded-deen Isam Sonalla, Kuwait, Kuwait  
Timothy L. Sprout, Worthington  
James A. Swartzmiller, Jr., Worthington  
Kathleen Marie Trauth, Cincinnati  
Clifford Ursich, Richmond Heights  
Mark Stephen Van Wormer,  
Simsbury, Conn.  
Joseph Arnold Warner, Copley  
Dennis Wade Watson, Sylvania  
Vickie Louise Wildeman, Mentor  
Theodore John Williamson, Warren  
David Reis Winemiller, West Milton  
Daniel W. Yard, Madison  
Timothy Lee Yost, New Lebanon  
Lazarus Vusie Zwane, Mbabane, Swaziland

## Bachelor of Science in Computer and Information Science

Kriston James Athey, Beavercreek  
Scott Allen Bartine, Dayton  
Karl Albert Bloss, Parma  
Gregory Allan Collins, Heath  
Alan Paul Curtis, Columbus  
Lori Beth Diefenthaler, Toledo  
Kamran Esmailzadeh, Los Angeles, Calif.

William Lawrence Exline, Marysville  
Warren Kent Fox, Worthington  
Robert Francis Gaus, Jr., Wheelersburg  
James Reid Hahn III, Westerville  
Karen Margaret Harshfield,  
Memphis, Tenn.  
John Joseph Hathaway, Akron  
William Frank Hippenmeyer, Kettering  
David Warren Holland, Columbus  
Mark Aaron Jackson, Coldwater  
Pamela Moodepaugh Jones, Sunbury  
Kent Alan King, Radnor  
Eugene Thomas Levine, Sandusky  
James Arthur McKenna, Jr., Columbus  
Barry James Meister, Parma  
Richard Allen Miu, Mansfield  
James Francis Mulato, Marietta  
James Logan Murray, Jr., Piketon  
Jennifer Susan Pak, Columbus  
Zolito Francisco Pedrozo, Dalton  
Mark Alan Bitchnie, Grove City  
Ronald James Salpietra, Youngstown  
Darren Lee Seely, Galien  
Krishna J. Srivastava, Columbus  
Peter K. Theophanous, Campbell  
John Allen Tolbert, St. Clairsville  
Joseph Norman Vallo, Dayton  
Neil Scott Warner, Columbus  
David Allen Wetzel, Columbus  
James Joseph Whitney, Lima  
John Anthony Zawada, Springfield

## Electrical Engineer

Nesar A. Belal, Dacca, Bangladesh

## Bachelor of Science in Electrical Engineering

Syed Arshad Ahmad, Karachi, Pakistan  
Gary Michael Anderson, Columbus  
Suzanne Patricia Apel, Huber Heights  
Thomas James Barnum, Columbus  
Montgomery Lee Bauman, Heath  
Michael Allan Bergeron, Aurora, Colo.  
John Kyle Bigler, Bellville  
James Alan Bingham, Columbus  
Paul Michael Bizzarri, Cincinnati  
Bruce Eric Blaho, Columbus  
Tana Kapp Blix, Mt. Vernon  
Timothy August Bodnar,  
Farmington Hill, Mich.  
Jeffrey Charles Brown, Hyde Park, N. Y.  
William Paul Bryan, Lima  
Mark Lloyd Butler, Ft. Lauderdale, Fla.  
Andrew Nickolas Capella, Pickerington  
John Walter Carpenter, North Royalton  
Timothy James Carrigg, Steubenville  
Craig Frederick Carson, Gratiot  
Ronald William Chaffee, Puebla, Mexico  
Richard Chang, Torrance, Calif.  
Mark David Clark, Kingshill, U.S.V.I.  
Alan Paul Curtis, Columbus  
John Gabor Czikk, Solon  
Ronald W. D'Antonio, Syracuse, N. Y.  
Paul David Dayton, Delaware  
Lee Alan Derr, Logan  
Amy Sue Diller, Findlay  
Dreux Vincent Dorsey, Bay Village  
Michael Eugene Drylie, North Canton  
Linda Marie Eberle, Columbus  
Ronald Edward Elster, Columbus

Eric David Evans, Stow  
Behnam Farhat, Tehran, Iran  
Michael Arthur Farmer, Utica  
Marlon Jacob Felman, Dayton  
Chester Fong, Toledo  
Patrick Edward Gilles, Elyria  
Mark Alan Gresham, Geneva  
Thomas Grimes, Sandusky  
Kevin David Hall, Elyria  
Tracy Lee Hall, Lithopolis  
Timothy Alan Hanes, Walhonding  
John Michael Henderson, Columbus  
Lynne Ellen Holmes, Brecksville  
John Charles Hood, Shaker Heights  
Patrick Hourigan, Warren  
Herair Hovsepian, Belmont, Mass.  
Chi-nang Hui, Hong Kong  
Ronald Brian Jenkins, Findlay  
Douglas Wayne Johnson, Newark  
Ralph G. Jordan III, Lawnside, N. J.  
Nader Kamrani, Tehran, Iran  
Lewis Milo Kennedy, Amanda  
James Robert Kent, Zanesville  
Craig B. Key, Mansfield  
James A. Klug, Cincinnati  
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Brian John Kost, Stow  
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David Alan Lambert, Ironton  
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Peter Lemieux, Troy, Maine  
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Juvena Wei-Kwan Loo, Hong Kong  
Mark Steven Malainy, Shelby  
Joaquin Manuel Marques,  
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Andrew Frederick Moulton, Columbus  
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David Curtis Pell, Whitesboro, N. Y.  
Hoanh Huy Pham, Columbus  
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Edward John Putt, Allegany, N. Y.  
Gregory Scott Ray, Sugarcreek  
Thomas Joseph Rhine, Lima  
David Randolph Russell, Portsmouth  
Matthew Frank Schneider, West Chester  
Douglas Dean Schweizer, Vienna, Va.  
Lynnita Kay Segovia, Elida  
Randall Lynn Shaul, Mansfield  
Mohamed Ali Shwaikani, Columbus  
George Nicholas Simopoulos, Dayton  
Alton Gregory Smith, Newark  
Steven Keith Somerson, Columbus  
Gregory Scott Still, Akron  
David Alan Straka, Hudson  
Glenn Thomas Studevant, Berea  
Amos Tabibian, Tehran, Iran  
Bradley Keith Taylor, Akron  
Brian Dean Theaker, Mansfield  
Patrick Allen Toole, Springfield  
Joseph Brian Vanden Wymelenberg,  
Warren  
Antonio Roserio Diego Vassalle, Tiffin  
Sharon Lynn Weintraub, Lima  
John E. Weller, Cincinnati

Patricia Joan Welsh, Cincinnati  
Robert Todd Whitacre, North Canton  
John Martin Woodyard, Newark  
Christopher Allerton Franklin Wright,  
Sandwich, Mass.  
Kevin John Young, Elyria  
David Wayne Zimmerman, Lakewood

### **Bachelor of Science in Engineering Physics**

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Edward Allen Nemeth, Maple Heights

### **Industrial Engineer**

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Lisa Marie Ralphe, Pittsburgh, Pa.

### **Bachelor of Science in Industrial and Systems Engineering**

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Derrick Alan Black, Centerville  
Lynda Ann Booth, Hermitage, Pa.  
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Sandra Lee Brumback, Lorain  
Robert William Cones, Marion  
Susan Marie Corbin, Columbus  
Thomas Michael DeVault, Granville  
James M. Dickey IV, Westlake  
Robin Carol Faraday, Hudson  
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Susan Elizabeth Gordhammer, Beavercreek  
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Alexander Charles Kirlik, Bay Village  
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Robyn Sue LeFevre, Kettering  
James Evan McClellan, North Canton  
Michael Steven McQuaid, Wilmington, N. C.  
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Christina Louise Schloss, Cincinnati  
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Michael Jerry Standley, Galion  
Michael Glenn Surface, West Chester  
Jeffrey Allen Sycks, Coshocton  
Melih A. Turkmen, Ankara, Turkey  
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Kimberly Anne Brown, Logan  
Joseph Anthony Ciminello, Columbus  
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Kenneth Brent Dunlap, Springfield  
James Dean Ellis, Beverly  
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James Douglas Gill, Ashland  
Michael Frederick Glantz, South Euclid  
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Gerard Lee Boyle, Ashtabula  
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Christopher Scott Cady, Columbus  
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Earl Roman Karch II, Newark  
James David Krasner, Shaker Heights  
Randall Allan McFarland, Kettering  
Dean Vincent Melcher, Mt. Gilead  
George J. Melnyk, Columbus  
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Timo Juhani Santala, Attleboro, Mass.  
William Brian Thacker, Carlisle

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Joseph Lewis, Columbus  
Michael Ray Perry, Circleville

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Mark S. Van Wormer, Simsbury, Conn.

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John Kevin Baysore, Mason  
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Stephen Robert Daykin, Willoughby Hills  
William Robert Doak, Marietta  
Kenneth John Gangl, Cleveland  
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Mark Steven Williamson, Columbus  
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Amman, Jordan  
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John Paul Calderon, Toledo  
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Amy Carpenter, Columbus  
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Jeffrey Michael Dimarzio, Midland, Pa.  
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John Anthony Eberts, Columbus  
Karen Eisenloffel, Mansfield  
Lydia Esther Figueroa, Rio Padras, P.R.  
David Michael Fratianne, Columbus  
Daniel James Freytag, Sidney  
Frank Alfred Fusaro, Fair Lawn, N. J.  
Dennis Lynn Hacker, Elkhart, Ind.  
Michael Richard Hixson, Columbus  
Thomas Franklin Hoepf, Bowling Green  
Thomas Edward Lambright, Akron  
Thomas Joseph Liggett, Parma  
Ward Roderick Lindenmuth, Germantown  
Stephen Donald Luoni, Massillon  
David Todd Maddux, Tipp  
Scott Tyler Malley, Huntsville  
Namdar Marandi, Tehran, Iran  
Thomas Joseph Martin, Trumbull, Conn.  
Melody Sue Mason, Lima  
Robert Martin Matakovich, Lorain  
Scott Patrick McElrath, Fruitport, Mich.  
Wanda Ivelisse Mills, St. Thomas, V. I.  
Majid Modarresi, Tehran, Iran  
Margaret Ann Murphy, Roswell, Ga.  
Darrell Girard Pappa, Independence  
William Samuel Pegg, Youngstown  
David Joseph Piero, Jr., Canton  
David Anthony Rinaldi, Columbus  
John Elgin Robbins, Westerville  
Roderick David Rohm, Fremont  
Mark Richard Roland, Kenton  
Mark Anthony Sarver, Columbus  
Bruce Edward Shumard, Blanchester  
Jerry Lee Smith, Columbus  
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Douglas Earl Stone, Columbus  
Lap Chi Tse, Kowloon, Hong Kong  
David Walter Varnish, Columbus  
Mark Stephan Wagner, Lorain  
Constance Ann Walter, Columbus  
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Mark Alan Wikel, Milan  
Frederick Harris Wilson, Lakewood  
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### Bachelor of Science in Landscape Architecture

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Donald Ray Barr, Wadsworth  
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Bryan Michael Joyce, Columbus  
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Kevin Michael McNulty, Parma  
Brad William Meyer, Tipp  
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Katherine Ann Reider, Perrysburg  
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Todd Randall Wales, Cincinnati  
Michael Jeffrey Weiss, Cincinnati  
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## College of Law

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- Nancy Jepson Treu, New Sweden, Maine  
A.B. (Dartmouth College)
- Louis Udell, Youngstown  
B.S.Bus. (Miami University)
- Lindsey Paul Vinson, Marion, Iowa  
B.S.Bus.Adm. (Drake University)
- Michael Francis Wagner, Pittsburgh, Pa.  
B.A. (LaSalle College)
- Thomas George Watson, Dover  
B.A. (Wittenberg University)
- Mitchell Arthur Weisman, Beachwood  
B.B.A. (Emery University)
- David Ralph Wickham, Londonville  
B.A.
- Darla Jean Wilkinson, Celina  
B.A. (Ohio Northern University)
- John David Wilson, Cincinnati  
B.A. (Miami University)
- John H. Wilson, Medina  
B.B.A. (University of Cincinnati)
- Michael A. Yates, Ravenna  
B.A. (Kent State University)
- Greta Ytterbo, Chesterland  
B.A. (University of Cincinnati)
- Curt Richard Zimansky, Iowa City, Iowa  
B.A. (John Hopkins University)
- Michael Daniel Zinicola, Cleveland  
B.S. (Bowling Green State University)

## College of Medicine

Dean: Manuel Tzagournis, M.D.

### Doctor of Medicine

- Karen Motteller Adams, Toledo  
B.A. (University of Toledo)
- Thomas Albert Ambrose II,  
Las Vegas, Nev.  
B.A. (University of California—  
Los Angeles)
- Robert Luther Aurand, Warren  
B.A. (Wittenberg University)
- Josephine Anne Barbacci, North Canton  
B.A. (St. Louis University)
- William Walker Barrington, Toledo  
B.A., B.S., M.S. (University of Toledo)
- Diane Rose Bernstein, La Jolla, Calif.  
B.A. (University of California—San Diego)
- Edward Eugene Book, Callensburg, Pa.  
B.S. (Grove City College)
- Viktor Rodrick Bouquett, Dayton  
B.A. (Johns Hopkins University)

Barbara Jo Brooks, East Liverpool  
B.S. (Youngstown State University)

Robert William Cifers, Chattanooga, Tenn.  
A.B. (The University of North Carolina)

Maria Regina Coccia, Columbus  
B.A., M.A., M.S., Ph.D.

Stephen Michael Collins, Columbus  
B.A.

Ricky Dwight Compton, Lexington  
B.S. (United States Military Academy)

Lynn A. Crosby, Cavalier, N. D.  
B.A., B.S. (University of North Dakota)

Ernest Gilbert Daniels, Reno, Nev.  
B.S. (Colorado State University)

David James Dohmeyer, Miller City  
A.B. (Oberlin College)

Daryl Ray Dutter, Brookville  
B.S. (Wright State University)

Egon Felix Dzintars, Rapid City, S. D.  
B.S. (University of South Dakota)

Randolph R. Evans, Industry, Pa.  
B.S. (Pennsylvania State University)

Michael Max Fiegen, Sioux Falls, S. D.  
B.S. (University of South Dakota)

Brock Cameron Fisher, Minot, N. D.  
B.S. (Stanford University)

Randall Mark Fox, Dayton  
B.A. (University of Cincinnati)

Robert J. Gile, Garretson, S. D.  
B.A. (University of South Dakota)

Stewart Norman Goldstein, Beachwood  
B.A. (Case Western Reserve University)

James Edward Greenwald, Akron  
B.A. (Case Western Reserve University)

Brian Patrick Hagerty, Columbus  
B.S.

Alice Ann Hale, Springfield  
B.S.

Cecelia Marie Hann, Las Vegas, Nev.  
B.S. (University of Southern California)

Robert Paul Hansen, Truckee, Calif.  
B.A. (University of California—San Diego)

James Bernard Hermler, Lima  
A.B. (Miami University)

Pamela Kay Hilton, North Benton  
B.S. (Ashland College)

Robert Michael Hines, Newburgh, Ind.  
A.B. (Indiana University);  
M.S., Ph.D. (University of Cincinnati)

Carolyn Sue Hixson, Chillicothe  
B.S., M.S.

Donald James Jacob, Cincinnati  
A.B. (Miami University)

Stephanie Lynn Jakim, Lima  
B.A.

Jean Kay Janda  
B.A. (University of California)

Paul W. Jueng, Toledo  
B.A. (Harvard University)

Thomas J. King, Cleveland  
A.B. (Hamilton College)

Zlatko Knezevic, Cincinnati  
B.S. (University of Cincinnati)

Marian Korosec, Peru, Ill.  
B.S.

Thomas William Kramer, Mansfield  
B.S.

Paul Arthur Kuck, Sioux Falls, S. D.  
B.A. (Augustana College)

Craig Francis Kuhlmann, Fargo, N. D.  
B.S. (North Dakota State University)

Mark Earl Leithe, Columbus  
B.A. (Miami University)

Stuart David Marks, Columbus  
B.A. (Emory University)

Richard Hugh Matthews, Dearborn, Mich.  
B.S. (Kalamazoo College);  
M.S., Ph.D. (University of Michigan)

Joseph Raymond Mayo, Boardman  
B.A. (Hiram College); Ph.D.

Irene Mary McAleer, Drexel Park, Pa.  
B.S. (Pennsylvania State University)

Paul Charles McCormick, Fargo, N. D.  
B.S. (St. John's University)

Jerry David McCreery, Baltimore  
B.S. (Capital University)

Robert Brown McGhee, Jr., Columbus  
B.S.

John Philip Mehegan, Sunapee, N. H.  
B.S. (McGill University)

Ruby Frances Meredith, Sedalia, Mo.  
B.A. (University of Missouri);  
M.A., Ph.D. (Indiana University)

Timothy Lee Miller, Jamestown, N. D.  
B.A. (Saint Olaf College)

Arthur Hugh O'Leary, Galion  
B.A.

Terrence Lee Pansino, Charleroi, Pa.  
B.A. (Wittenberg University)

Craig Philip Parker, Plymouth, Minn.  
B.A. (Augustana College)

Teressa Joan Patrick, Dayton  
B.S. (University of Dayton)

Edwin Cary Pigman, Leesburg  
B.S. (Edgecliff College)

Elizabeth Ann Prosser, Emlenton, Pa.  
B.S. (Westminster College)

Patrick Alan Raymond, Uniontown  
B.S.

Victor Frank Rodriguez,  
San Juan, Puerto Rico  
B.S. (University of Puerto Rico)

Stephen J. Rolfe, Columbus  
B.S.

Thomas Lloyd Royse, New Providence, N. J.  
B.S. (David Lipscomb College)

John Michael Russell, Worthington  
B.S. (United States Naval Academy)

Robert Steven Schubert, Beachwood  
B.S. (Miami University)

Stacy Norman Schulz, New Leipzig, N. D.  
B.A. (Jamestown College)

Cary Charles Scott, Cleveland  
A.B. (St. Louis University)

David P. Smith, Tallmadge  
B.A. (Kent State University)

Mark William Sohner, Stow  
B.S. (Xavier University)

Steven Mark Sornsin, Fargo, N. D.  
B.S. (St. John's University)

Robert Frank Spurney, Cleveland  
B.S. (University of Illinois)

Paul Anthony Stagno, Chicago, Ill.  
B.S. (University of Illinois);  
M.S., Ph.D. (University of North Dakota)

Alan David Steginsky, Columbus  
B.S.

Mark Randolph Stephens, Reno, Nev.  
B.S. (Yale University)

Walter Eugene Stevens, Jr., Cleveland  
B.A., D.D.S. (Case Western Reserve  
University)

Cornelius Wesley Stone, Cleveland  
B.A.

Jonathan Dwight Stone, Avon, S. D.  
B.S. (Marion College)

Daniel Hillel Teitelbaum, Cleveland  
B.A. (Northwestern University)

John Maron Thomas, Warren  
B.S.

Daniel Lee Thompson, Colman, S. D.  
B.A. (Augustana College)

Kathryn Mary Thraikill, Toledo  
B.S.

Kenneth A. Tjeerdsma, Hull, Iowa  
B.A. (Augustana College)

Robert David Tobias, Covington  
B.S. (Tri-State University)

Gregory Alan Tobin, Langford, S. D.  
B.S. (University of South Dakota)

Michael Robert Towarnicky,  
Fessenden, N. D.  
B.S. (University of North Dakota)

Mark Anthony Trout, Zanesville  
B.A. (Denison University)

Karl John Valentine, Bellbrook  
B.S. (University of Cincinnati)

Peter John Vasquez, Ramsey, N. J.  
B.A. (Antioch University)

Elizabeth Ann Warner, Columbus  
B.A. (Kenyon College)

Keith Mitchell Weiner, Columbus  
B.S.

Jeffrey Richard Welko, Lorain  
B.A. (West Virginia University)

Mark Frederick Zusan, Columbus  
B.A. (Knox College)

## School of Allied Medical Professions

### Bachelor of Science in Allied Health Professions

Wendy Joy Adaska, Stow  
Danny Terry Allen, Kettering  
Sharon Marie Arbogast, McComb  
Julie Shifley Babcock, Galion  
Martha Adams Bader, West Chester  
Billie Ann Baker, Dayton  
Lisa Jo Beachy, West Jefferson  
Linda Ellen Belsito, Bedford  
Tonda Lou Best, Columbus  
Bernadette Jean Bilick, Strongsville  
Susan Lynne Birchak, Warren  
Elise Michelle Bissonette, Dayton  
Gail Frances Bissonette, Dayton  
Belinda Emily Bixenstine, Kent  
Susan Holloway Boardman, Roanoke, Va.  
Jennifer Lee Boyd, Amherst  
Jayne Louise Brickner, Delphos  
Diana Lynne Jenkinson Britton,  
Covington, La.  
Lynn Carol Brookfield, Toledo  
Lisa Buckingham, Findlay  
James Justin Byrne, Bucyrus  
Nancy Ann Camp, Berlin Center  
Valerie Jean Campbell, Warren  
Barbara Louise Carey, Girard  
Sue Ann Carlson, Ontario  
Pamela Joy Casey, Youngstown  
Bill Lee Christenson, New London  
Carole Anne Cliff, Mogadore  
Susan Crum Clunk, Radnor  
Mark Alan Coates, Shadyside  
Shelly Haber Cocumelli, Vermilion  
Leslie Ann Coe, Amsterdam  
Linda Jeanne Conley, Columbus  
B.S. (John Carroll University)  
Julie Ann Cramer, Fostoria  
Donna Cristiano, North Olmsted  
Paul Timothy Crosby, Yellow Springs  
Catherine Lynn Cullom, Beavercreek  
Bonnie Sue Dempster, Cincinnati  
Margaret Alice DeWeese, Sidney  
Deborah Ann Dibari, Sandusky  
Diane Marie Dixon, Highland Heights  
Linda Arlene Dobbins, Cincinnati  
Robin Teresa Doce, Mentor  
Jill Ann Dodson, Columbus  
Pamela Sue Dudley, Berlin Center  
Jack Earl Eckroad, Akron  
Carol Marie Eichhorn, Tiffin  
Kevin Eugene Ellinger, West Jefferson  
Marianne Falter, Beavercreek  
Deborah Lynn Ferron, Canton  
Joann Elizabeth Fisher, Dayton  
Karen Sue Fletcher, Beavercreek  
Doreen Renee Florian, Brookpark  
Gwynne R. Forrester, Columbus  
D'Arcy Dawnell Foster, Hamilton  
Debra Schooley Freimark, East Canton  
James Mitchell Freimark, Maumee  
Michelle René Graf, Sugar Grove  
Annette Marie Green, Dayton  
Mary Jean Hallock, Bridgeville  
Valerie Lynn Hanes, Springfield  
Lynn Margaret Hanna, Mayfield Heights  
Jill Marie Hennes, Lorain  
Karen Lynne Hermen, Zanesville  
Carmen Eva Hernández, Fairborn  
Patricia Ruth Hewes, Akron  
Nancy Marie Hofstadter, Hamilton  
Annette Ingram Bell, Cincinnati  
Linda Ann Iskra, Wickliffe

Amy Marie Jackson, Oxford  
Joyce Marie Johnson, Farmersville  
Kim Renee Jordan, Cleveland Heights  
Mary Beth Keeley, Dayton  
Kathleen Ann Kelly, Cambridge  
Deborah Ann Kimble, Steubenville  
Sherry Lynn Klappa, Warren  
Alfred G. Klein, Highland Heights  
Jan Elaine Kochensparger, Grove City  
Kay Marie Koester, Ottoville  
Leslie Ann Koltookian, Chelmsford, Mass.  
Mary Ann Labbe, Fairfield  
Nancy Ann LaRosa, Akron  
Timothy Bernard Lees, Heath  
Brett Duane Linse, Columbus  
Rebecca Lynn Maidment, West Chester  
Joan Adele Marn, Columbus  
Patricia Ann Maroda, Toledo  
Linda Emergene Marten, Bowling Green  
Sandy Lynn Martin, Cleveland  
Etta Matel, North Olmsted  
Lynette Ann McCabria, Lima  
Margaret Anne Meenan, Orrville  
Catherine Sue Meh, Neffs  
Constance Sue Melhorn, Zanesville  
Lynne Mendel, Columbus  
Judy Leah Mendes, Providence, R. I.  
Janet Mary Meyer, Cincinnati  
Curt Miklos, Columbus  
Linda Jo Miller, Columbus  
Naomi Ann Minges, Dayton  
Lynne Etta Moore, Zanesville  
Douglas L. Mosing, Assumption  
Michelle J. Mullane, Canton  
Cynthia Springer Naumoff, Smithville  
Karen Marie Neal, Columbus  
Judith Ann Newport, St. Henry  
Wendy Renee Nishwitz, Warren  
Kathleen Novak, Geneva  
Beth Jeanine Obermyer, Woodville  
Janet Gail Ohmura, Fairview Park  
Kimberly Kay Olds, Worthington  
Kristen Michelle Owens, Steubenville  
Margo Jean Pettit, Shelby  
Ruth Walsh Phelps, Portsmouth  
Robin deMorse Pierce, Buchanan, Mich.  
Laura Zarro Pitzen, Worthington  
Jeri Lynn Powell, Mansfield  
Christine Marie Procknal, Buffalo, N. Y.  
Julie Ann Quinn, Toledo  
Lee Wenner Rapp, Ridgeway  
Dawn Alisa Reeves, Richmond  
Lisa Diane Replogle, Clinton, Ind.  
Mary J. Rinehart, Attica  
Lori Kay Ritenaue, Lorain  
Regina Jan Rog, Lakewood  
Nancy Louise Rosselot, Owensville  
Lesley Kay Ruffener, Bucyrus  
Thomas Myron Sanderson, Perrysburg  
Anna Marie Santalucia, Rocky River  
Catherine Marie Schmidt, Canton  
Paul Walter Schmidt, Fremont  
Cynthia Ann Schoo, Columbus  
Karen Stelling Shepherd, Dublin  
B.S.  
Amy Louise Shollenberger, Alliance  
Ted Richard Signet, Kirtland  
Teresa Gail Skinner, Columbus  
Ginnie Strother Smith, Greensprings  
Terry LeRoy Smith, Louisville, Ky.  
Vincent Joseph Smith, Somerset  
Shari Eilyn Smylie, Moreland Hills  
James Joseph Spoerl, Dayton  
Janice Louise Stanek, Euclid  
Karen Lynne Steinmetz, Pickerington  
Diane Marie Stiles, Wapakoneta  
Barbara Jane Stucky, Clyde  
John Robert Syring, Toledo  
Tamara Jane Tampion, North Royalton

Brenda Kay Taubman, Troy  
Vicki Diane Taylor, Columbus  
Katherine Lynne Teeple, North Canton  
Sandra Jean Telljohann, Columbus  
Mindi Gaye Thal, University Heights  
Christine Marie Thomas, Cardington  
Michelle Corey Thompson, Willowick  
Alison Miller Troup, Medina  
Lori Anne Umphrey, Sylvania  
Michael Vanlandingham, Batavia  
Cynthia Anne Ventresca, Akron  
Sharon Marie Verhoff, Kalida  
Gregory Pence Wagner, Loveland  
John William Waite, Barberton  
Tina Marie Waldrop, Virginia Beach, Va.  
Beth Anne Wehrkamp, St. Henry  
Paula Kay Weisbarth, Cleveland  
Gwynn Susan Whitaker, Belle Center  
Cynthia Elizabeth Whitson, Newsoms, Va.  
Harold Bruce Wilson, Springfield  
Kimberly Jane Wott, Tiffin  
Catherine Lynn Clark Wright,  
Owensboro, Ky.  
Karen Mary Zinck, Mentor  
Mary Beth Zuk, Columbus

### Certificate of Post Baccalaureate Circulation Technologist

William Eugene Harris, Youngstown  
B.A. (Ohio Wesleyan University)  
Richard Alfred Vela, West Lake  
B.S. (University of Cincinnati)

### Certificate of Post Baccalaureate Medical Technologist

Janis Lynn Hitchcock, Heath  
B.S.  
Hoon Kim Luu, Columbus  
B.S. Pharmacy (HoChiMinh University,  
Vietnam)  
Nan Marie McHugh, Worthington  
B.S. (Hastings College)  
Angela Luisa Santiago-Franqui, Columbus  
B.S.

### Certificate of Study in Physical Therapy

Karin Kimberly Glenn, Akron  
B.A. (University of Akron)  
Wendy Brewer Rennoe, Columbus  
B.A. (Hanover College)

## School of Nursing

### Bachelor of Science in Nursing

Bertha Ann Adams, Huntsburg  
Franie Riley Ahmad, Delaware  
Paula Roe Albert, Middletown  
Betsy Lou Ailer, Findlay  
Karen Anthony, Broadview Heights  
Patricia Joan Armstrong, Warren  
Teresa Yvette Ashe, Cleveland Heights  
Dawn Marie Bailey, Middleburg Heights  
Jacqueline Jo Barns, Cincinnati  
Julie Ann Bartels, Solon

Teresa Ann Beerbower, Rockford  
 Linda Sue Begg, Bluffton  
 Mary Margaret Bixler, Columbus  
 Nancy Marie Bliesser, Oxford  
 Sandra Kay Boggs, Gahanna  
 Jeffrey Alan Bollinger, Postoria  
 Karyl Borneman, Middletown  
 Linda Kay Bouldin, Sylvania  
 SharonAnn Broderick, Fremont  
 Melinda Lee Bryan, Lima  
 Cheryl Lynn Burns, Trenton  
 Laurel Marie Caleb, Rocky River  
 Cynthia Denise Carter, Lorain  
 Karen Ann Casey, Hubbard  
 Ellen Ann Cessna, Middletown  
 Lu Ann Cherrington, Oak Hill  
 Charlotte Ann Chidley, Clyde  
 Thelma Louise Clark, Grove City  
 Tia Jane Cooksey, Hubbard  
 Karen Sue Copeland, Wapakoneta  
 Tracy Corsaro, Columbus  
 Jean Elizabeth Covell, Shaker Heights  
 Susan Lorelei Cring, Sunbury  
 Tamra Ann Crum, Tallmadge  
 Joan Elizabeth Danielson, North Olmsted  
 Cinda Sue Davey, Delphos  
 Karen Beth Davison, Warren  
 Kathryn Amanda DeJonghe, Dayton  
 Lynn Ann Diroff, Toledo  
 Amy Leanne Dodson, Bellefontaine  
 William Henry Eisner, Melvindale, Mich.  
 Nancy Sue Emmerich, Dayton  
 Nancy Lynn Engler, Massillon  
 Sally Sue Erb, Toledo  
 Catherine Sue Ernsthausen,  
 Spencerport, N. Y.  
 Mary Elizabeth Favre, Uniontown  
 Edith M. Fetzer, Wooster  
 Michelle Renee Fisher, Newark  
 Janet Elaine Flanagan, Columbus  
 Carol Ellen Flaughter, Dayton  
 Nancy Elizabeth Foulkes, Columbus Grove  
 Lynda Lee Fox, Galion  
 Gayle Renee Fraser, Cuyahoga Falls  
 Jennifer Lyn Frost, Safford  
 Marcia Lea Gallogly, Columbus  
 Penny Susan Gilmore, Dayton  
 Donna Jeanette Goettmoeller, St. Henry  
 Deborah Lynn Greeley, Pittsburgh, Pa.  
 Lisa Anne Gregory, Cincinnati  
 Carol Ann Groenewold, Cincinnati  
 Margaret Gulick, Columbus  
 Karen Elizabeth Hall, Cincinnati  
 Pamela Jo Hall, Worthington  
 Mary Ann Hamfeldt, Cleveland  
 Cathy Jo Hamm, Chillicothe  
 Carol Rajean Harper, Cincinnati  
 Nancy Leigh Harper, Columbus  
 Antonina Harris, Centerville  
 Virginia Shearer Heins, Franklin Furnace  
 Lee Anne Higgins, Amherst  
 Barbara Lee Hill, Ashland  
 Colleen Louise Hindman, Columbus  
 Jacqueline Faye Hohulin, Wooster  
 Terry Ann Holda, Parma  
 Faith Jennifer Hooks, Columbus  
 Theresa Ann Houchin, Cincinnati  
 Diane Marie Howard, Cadiz  
 Mary Kay Hoying, Vermillion  
 Carol Pilot Hudson, Columbus  
 Joan Thresine Jennings, Lima  
 Martha Elizabeth Johnston, Cincinnati  
 Patricia Marie Jones, Frankfort  
 Patricia Ann Kagy, Columbus  
 Lynne Ann Kelch, Carrollton  
 Kay Ellen Kolb, Dayton  
 Judith Jean Kramer, Lorain  
 Lisa Christine Kuser, Maple Heights  
 Linda Sue Lapp, Coshocton

Dawn Lynette Lee, Berlin  
 Amy Louise Lewandowski, Toledo  
 Sylvia Dawn Lhamon, Lima  
 Angela Ann McCullough, Centerville  
 Carol Anita McDonald, Westlake  
 LuAnn Melnik, Brunswick  
 David Donald Meyer, Defiance  
 Deborah Ann Middlebrooks, Dayton  
 Sally Ann Miller, Ashville  
 Teresa Elaine Miller, Loudonville  
 Shelley Marie Morris, Steubenville  
 Beth Lorraine Morrison,  
 Port Jefferson Station, N. Y.  
 Cynthia Barbara Moscato, Cleveland  
 Valerie Ann Murchake, Columbus  
 Hilaneh Mushahwar, Strongsville  
 Melinda Wetherill Myers, Worthington  
 Tracy Ann Neim, Westerville  
 Rebecca Ruth Nevil, Peebles  
 Darla Kay Newberry, Mansfield  
 Carrie Ann Niemeier, Cuyahoga Falls  
 Janet Ellen Noll-Wessels, North Ridgeville  
 Anthony John Omior, Sandusky  
 Nancy Otto, Martins Ferry  
 Jenie Lynne Owens, Columbus  
 Amy Susan Price, Athens  
 Lisa Lynette Raines, Columbus  
 Terry Lee Rawsley, Columbus  
 Lori Sue Ray, Springfield  
 Wanda Juanita Reese, Jackson  
 Cynthia Janet Reker, Medina  
 Deborah Ann Renfro, Mansfield  
 Kathleen Anne Robertson, Columbus  
 Indrani Soma Rodrigo, Horana, Sri-Lanka  
 Samuel Brooks Rodu, Bethel Park, Pa.  
 Rita Mary Romstadt, Curtice  
 Randall James Ryan, Columbus  
 Susan Catherine Sansbury, Columbus  
 Michelle Sullivan Saunders, Akron  
 Lynda Lee Savage, Gahanna  
 Gwen Marie Schneider, Columbus  
 Lois Ann Schostek, Columbus  
 Christine Ann Schultz, Cincinnati  
 Teresa Ann Seckel, Columbus  
 Yvonne Maybeth Seymour, Hamilton  
 John Arthur Sigg, Wauseon  
 Colette A. Sitko, Akron  
 Susan Jane Smith, Columbus  
 Debra Jane Snodgrass, Lorain  
 Mary Beth Spagnola, Campbell  
 Rebecca Lou Staker, Portsmouth  
 Laura Beth Starks, Hudson  
 Karen Renee Straka, Toronto  
 Jacquelin Ann Studer, New Washington  
 Cheryl Ann Switzer, Lakewood  
 Judith Ann Swoboda, North Olmsted  
 Lynn Marie Tartaglia, Brook Park  
 Lisa Bidell Thomas, Columbus  
 Sheryl Aileen Tober, North Olmsted  
 Srimati Prajita-Devi Tribhuvan, Columbus  
 Alice Marie Tzagournis, Columbus  
 Jon Martin Veith, Amherst  
 Teresa Anne Verhine, Columbus  
 William Amos Verhoff, Columbus Grove  
 Cynthia Alba Villavecer, Westerville  
 Lisa Helen Vincke, Kettering  
 Carol Jean Vuksta, Youngstown  
 Rita Joan Walker, Zanesville  
 Jamie Sue Weller, Cincinnati  
 Lou Cook West, Columbus  
 Cynthia Ann Whalen, Centerville  
 Lynda Marie Wheatley, Columbus  
 Kathleen Marie Whitman, Akron  
 Sue Ann Wigglesworth, Columbus  
 Susan Williamson, Centerville  
 Jo Helene Wilson, Thornville  
 Lauren Zadel, Richfield  
 Nancy Jane Zulliger, Lima

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

Thomas Massimo Abruzzi, Warren  
 B.S.  
 Phillip Eugene Apfel, Trotwood  
 B.S.  
 Gregg Alan Baldwin, Dayton  
 Bradley Paul Bangstad, Buffalo, Minn.  
 B.A. (Concordia College, Minn.)  
 Mark Daniel Bennett, Findlay  
 B.S.  
 Samuel Alfred Borchers, Fairborn  
 B.S.  
 Paul William Cardinal, Fridley, Minn.  
 A.A. (North Hennepin Community College)  
 Susan A. Cook, North Canton  
 B.S.  
 Michael Alan Cooper, Toledo  
 B.S.  
 Kevin Thomas Corcoran, Lakewood  
 B.S.  
 Stanley L. Darnell, Bucyrus  
 David Lee DePugh, Chillicothe  
 B.S.  
 Richard Stephan Deutch, Columbus  
 B.S., M.S. (University of Dayton)  
 Kerri Ann Dietz, Plattsmouth, Neb.  
 Thomas Stephen Dunham,  
 Valley City, N. D.  
 B.S. (University of North Dakota)  
 James Laurence Edick, Mt. Vernon  
 William John Flynn, Greenfield  
 B.A. (Otterbein College)  
 Thomas Neil Garner, Lindsey  
 B.S.  
 Michael Anthony Golitz, Houston, Pa.  
 Donald Gracon, Cleveland  
 Kenneth Allen Gregg, Lima  
 Daniel John Haas, Galion  
 Robert Scott Hammond, Alliance  
 Richard Patrick Haney, Columbus, Neb.  
 Sally Ann Hartenstein, Salem, N. H.  
 Matthias Helfrich, Fairview Park  
 B.S., B.S.  
 Diane Beth Heyman, Columbus, Neb.  
 B.A. (Doane College, Neb.)  
 Flavel Josef Heyman, Upper Sandusky  
 B.S.  
 Amy Loreen Ice, Grand Junction, Colo.  
 Timothy Howard Istock, Ft. Pierce, Fla.  
 B.S., M.A.

Thomas Milo Kelly, North Olmsted  
B.S. (Kent State University)

Robert Thomas Kirk, Jr., Columbus  
B.S.

Paul Erwin Koch, Chelsea, Mich.  
B.S. (The Defiance College)

Tamara Mault Kuhlmann, Westerville

Kevin A. Langel, Omaha, Neb.

Clara Long Lawrence, Columbus

Kris Edward Lind, Wauseon  
B.S. (Bowling Green State University)

Dale Pearson Lindsey, Parma  
B.S.

Mark Allen Mathews, Fremont

Paul Richard Meyer, Cincinnati

David Bertin Ness, Excelsior, Minn.  
B.A. (Luther College)

Lisa Lynn Nirode, New London

Gary Neal Orsborn, Columbus

Philip Charles Paros, Canfield  
B.A., B.A.

Richard Scott Penny, West Milton  
B.S. (Wright State University)

Deno Michael Persiani, Dillonvale

Harold Lee Pickens, St. Clairsville  
B.S., M.S.

Gertrude E. Roth, Mansfield

Keith Lee Sellers, Marysville

Debra Lynne Shelts, Reynoldsburg

Dana Scott Snyder, Orchard, Neb.  
B.S. (Kearney State College)

Mary Jo Stiegemeier, Mayfield Heights  
B.S.

Nancy Louise Sullivan, Lancaster

Ronald Allan Wheeler, Ashtabula  
B.S. (Harding University)

Mark Joseph Wilson, Heath

Philip Keith Winkler, Willshire  
B. of Liberal Studies (Bowling Green State University)

Jane Lee Wolford, Columbus

Nick B. Zurich, Amherst

Beth Carson, Ashland

Jean Ann Clouse, New Riegel

Lisa Ann Coats, Findlay

Lisa Gail Cohen, Columbus

Brian Keith Collier, Portsmouth

Wayne Charles Conty, Galion

Sean Dennis Cull, Columbus

Edward Jerome Dannemiller, Lancaster

Charles Alan DeFilippo, Yorkville

Tina Marie deVries, Kettering

Timothy Allan Esbenschade, Mansfield

Randy Douglas Fasnacht, Brookville

Christy Jean Freeman, Collegeville, Pa.

Anne Marie Freshley, Hudson

Glenn Scott Garrison, Columbus

Lisa Ann Cervelis, Kinsman  
B.A. (Hiram College)

Steven Neil Greene, Beachwood

Joseph Dickson Grubb II, Westerville  
B.A. (Heidelberg College)

Kevin Caldwell Horsefield, Columbus

Elaine Michele Hudak, Campbell

Marc Anthony Iacobucci, Cincinnati

Lois Ellen Joch, Fairborn

Gail Louise Jungbluth, Sheffield Village

Jean Marie Khoury, Lakewood

David Scott Knechtges, Grafton

Timothy Ernest Kosty, Barrington, Ill.

Frank Joseph Krivanek, Parma

Elizabeth Mary Kudlacz, Parma

Julie Greiner Lamm, Columbus

James Andrew Lantz, Hamilton

Julie Mae Larson, Edinboro, Pa.

Jack Lemanowicz, Brook Park

Donna Lee Lesnansky, Massillon

James Michael Lionetti, Wadsworth

Susan Marie Lisby, Warren

Jerry George Lischak, Akron

Jeresa Anne Lopienski, Akron

Eric Joseph Luckhaupt, Loveland

Anthony Massiello, Euclid

Gregory Alan Matronia, Canton

David Edward McKenney, Columbus

Toni Ann Mellen, Amherst

Holly Jean Merritt, Cincinnati

Teri Lyn Morvai, Barberton

Cynthia Ann Myers, Miamisburg

James Brian Myers, Youngstown

Doria Palcko Niedenthal, Navarre

John Eric Pabst, Canal Winchester

Max John Peoples, Medina

Kenneth Stuart Prayzer, Lorain

Leonard James Richards, Canton

Michael Martin Riley, Cleveland

Victor Francis Rozance, Euclid

Luanne Sue Saas, Columbus

Douglas John Scheckelhoff, Ottawa

Elizabeth Livingston Shannon, Columbus

Joan Louise Sherban, North Canton

Alan John Siefker, Miller City

John William Simes, Cincinnati

Jennifer Ann Smich, Parma

David Shawn Smith, Zanesville

Terrence Lee Tucker, Swanton

Kathy Allison Vara, Mayfield

Karen Hedge Wooten, Columbus

Kent Allen Zellner, Tiffin

Deborah Lynn Zimomra, Newton Falls

## College of Social Work

Acting Dean: Thomas M. Meenaghan

### Bachelor of Science in Social Welfare

Garry Marc Appleton, Cleveland Heights

Alvin Austen, Jr., Warren

Donna Y. Baker, Columbus

Donna June Bauman, Grove City

Susan Marie Beekman, North Olmsted

Paul Foster Behling, Columbus

Marci Zeth Berger, Cleveland

Stephanie Lynn Bisca, Columbus

Yolanda Denise Blair, Cincinnati

Donald James Brewer, Fairfax, Calif.

Belinda Lee Broyles, Gallipolis

Thomas John Brudzinski, Fremont

Avalon C. Bultema-Wilson,  
St. Joseph, Mich.

Deborah Ann Burgett, Montgomery

Lavone Caldwell, New London

Teresa Jean Combs, New Lebanon

Kelley Frances Conway, Mt. Vernon

Caroline Copeland, Springfield

Michelle Ann Cramer, Perrysville

Pamela L. Craycraft, Columbus

Mary Frances Detamore, Columbus

Debra Lynn DeVore, Columbus

Diane Mary Dickerson, Powell

Laurie Lynn Dini, Columbus

Margaret Lynn Dixon,  
St. Bernard's Newfoundland, Canada

Pamela Kay Dixon, Columbus

Kimberly Anne Downs, Amlin

Clara Marie Figerell, Prospect

Laura Ann Fox, Worthington

Shelley Jo Goodiel, Conneaut

Sandra Theresa Guancial, Columbus

Margaret A. Hickle-Grimm, Wintersville

Amy Beth Hirsch, Beachwood

Laurie Ann Holman, Fostoria

Carla Sue Householder, Bremen

Yolanda Denise Hunt, Cleveland

Carolyn Sue Kepley, Bowie, Md.

Jean Marie King, Mansfield

Joy Sherry Kossoff, Beachwood

Kathy Jo Kretch, Beachwood

Patricia Ann Lammers, Leipsic

Michelle Alayne Lepley, Barberton

Marilyn Jean Lewis, Columbus

Jennie K. Lipphardt, Granville

Victoria Marie Lombardo, Reynoldsburg

Lisa Gabrielle Long, Columbus

Traeja Jean Mace, Canton

Tina Lynn McCauley, Columbus

Mary Katherine McClelland, Columbus

Anne Brinson McConnell, Coshocton

James Arthur McDermott, Toledo

Elizabeth Louise McGrath, Springfield

Cynthia Lou McIntosh, Urbana

Jill Sue Maddux, Washington C. H.

Tammy Lynn Marcum, Columbus

Karen Massey, Springfield

Marti Jo Mays, Chesapeake

Lynn Catherine Mazza, Cincinnati

Kim L. Mellon, Zanesville

Mary Anastasia Michael, Delphos

Laura Lynn Minner, London

Susan Lee Moon, Ashland

Robin Jane Moore, Chillicothe

Jennifer Lynn Neubauer, Crystal Lake, Ill.

Amy Lynne Newcomer, Cincinnati

Allison Jean Nortoff, Rocky River

Marilyn D. O'Hara, Laurelville

Melissa Elizabeth Perkins, Columbus

## College of Pharmacy

Dean: Albert H. Soloway

### Bachelor of Science in Pharmacy

Ann Kathryn Alden, Painesville

Elizabeth Ann Baumgardner, Solon

Bradley Eugene Berlekamp, Sidney

Beth Ann Bond, Columbus

Gary Woods Bumgarner, Wilmington

Lisa Christine Burkhardt, Akron

Laurel Elaine Perna, Bay Village  
 Susan Lynn Pierce, Winter Park, Fla.  
 Mary Jane Quick, Columbus  
 Toni Dawn Ramirez-Mericle, Elyria  
 Rebecca Jane Ramsey, Columbus  
 Julia Ann Rankin, Vandalia  
 Claudia Marie Reed, Pittsburgh, Pa.  
 Sean P. Reilly, Worthington  
 Mary Beth Rigo, North Olmsted  
 Judy Beth Rosen, Columbus  
 Barbara Jill Scali, Pepper Pike  
 Lane Arthur Schlessel, Mayfield Heights  
 Kathleen Mary Sexton, Cincinnati  
 Tamara Sue Shaffer, Fremont  
 Precia Jo Shenk, Lima  
 Alyce Anne Shomper, Huber Heights  
 Barbara Ann Shook, Bloomville  
 Dawn Yutzy Showalter, Plain City  
 Anne Stephanie Silverman, Columbus  
 Jacquelyn Ann Skinner, Columbus  
 Suzanne Allyn Smiles, Wooster  
 Marian Beth Soppe, Reynoldsburg  
 Susan Louise Spiri, Willoughby  
 Rebecca Sue Sprague, Lima  
 Sarah Anne Starlin, Columbus  
 Lewis R. Stewart, Jr., Chillicothe  
 Renee Simone Stigger, Columbus  
 Sharon Gail Teplitsky, Gahanna  
 Paula Terry-Locke, Dublin  
 Barbara Ann Tewart-Darwin, Columbus  
 Amy Catherine Tischbein, Cincinnati  
 Jill Marcey Tucker, Russell  
 Cynthia R. Turik, Manchester  
 Karen Louise Vendeland, Lyndhurst  
 Daniel E. Walker, Columbus  
 Marie Ann Wargelin, Warren  
 Dawn Renee Wentz, Coshocton  
 Tamara Whiteman, Chillicothe  
 Aleta Janine Willard, Eton  
 Joyce Kathleen Wilson, Ironton  
 James Randall Worthington,  
 Upper Sandusky  
 Allison Marie Zadel, Richfield

Samuel Joseph Banks, McRoberts, Ky.  
 Connie Ruth Barnes, Wooster  
 B.S.  
 Robert Randall Basinger, Mansfield  
 Sharon L. Bennett, Cincinnati  
 B.S. (University of Cincinnati)  
 Joseph Charles Boneau, Covington, Ky.  
 B.A. (University of Cincinnati)  
 Robert Charles Brady, Florham Park, N. J.  
 Cheryl Anne Branibar, Sparta, N. J.  
 B.S.  
 Jennifer Dawn Brundage, Brecksville  
 B.S.  
 Mary Frances Brune, Centerville  
 B.S., M.Sc. (Wright State University)  
 Robert Alan Bullis, Jr., Morgantown, W. Va.  
 B.S. (West Virginia University)  
 Richard Leroy Byers, New Castle, Pa.  
 Maria Steichen Calderone, Columbus  
 B.A. (Earlham College)  
 Gregory Lee Cantrell, Shreve  
 B.S.  
 Eric R. Carlson, New Hampton, N. H.  
 B.S. (University of New Hampshire)  
 Mark David Carlson, Fairborn  
 John Melvin Cartwright, Salesville  
 B.S.  
 Julia Lynn Christian, Blanchester  
 B.S., M.Sc. (Auburn University)  
 Scott Bradley Citino, Salem  
 B.S. (University of Notre Dame)  
 Lawrence Allen Cohen, Cleveland  
 B.S.  
 John Robert Cole, Cincinnati  
 B.S. (Furman University)  
 Gail Eugenia Counts, McDermott  
 B.S. (Ohio Dominican College);  
 M.Sc. (University of Wyoming)  
 Thomas Michael Coyle, Kettering  
 B.S.  
 Daniel Bartter Crocker, Franklin, Ky.  
 B.S. (University of Kentucky)  
 Robert Donald Dahlhausen, Columbus  
 B.S., M.Sc.  
 Rick Lee Daugherty, Wooster  
 B.S.  
 Cindie R. Davis, Westerville  
 Lisa Ann Davis, Athens  
 Steven Peter DeBruin, Amanda  
 B.S.  
 Robert John Dehler, Columbus  
 B.S.  
 Amy Marie Dicke, Xenia  
 B.S.  
 Diane S. Dodd, Chagrin Falls  
 B.S.  
 David Ralph Duncan, Maple Heights  
 Robert Bruce Duncan, Jr., Georgetown, Tex.

Jeffrey Lynn Eubank, New Paris  
 B.S., M.Sc.  
 Andrew Stephen Fix, Batavia  
 B.S. (University of Cincinnati)  
 George L. Foley, Verona, N. J.  
 B.S. (Pennsylvania State University)  
 James Andrew Ford, Jr., Xenia  
 B.S.  
 Timothy John Friel, Rocky River  
 Susan Marie Fullenkamp, Maria Stein  
 B.S., M.Sc. (Cornell University)  
 Bradford Lee Garrison, West Salem  
 B.S. (Heidelberg University)  
 Lawrence Mark Gilman, Beachwood  
 B.S.  
 Kristin Louise Gottling, Cincinnati  
 A.B. (Miami University)  
 John Douglas Gregory, Napoleon  
 B.S.  
 Patricia Hardy Haines, Cincinnati  
 B.S.  
 Peter William Hellyer, Akron  
 B.S.  
 Rebecca Jane Hodge, Raleigh, N. C.  
 B.S. (North Carolina State University)  
 Patrick Laurence Holden, Glen Burnie, Md.  
 B.S. (University of Maryland)  
 Brian E. Holub, Cincinnati  
 B.S. (University of Cincinnati)  
 Thomas Reid Homan, Moorefield, W. Va.  
 Vicki Lynn Horton, Cincinnati  
 B.S.  
 Christopher J. Horvath,  
 Morgantown, W. Va.  
 B.S. (West Virginia University)  
 Julie Janetos Hurley, Rollinsford, N. H.  
 B.S. (University of New Hampshire)  
 Edward John Huschart, Columbus  
 B.S.  
 Ellen Janet Imhof, Hiram  
 B.S.  
 Kenneth Bruce Isherwood, Akron  
 Katherine Lee Johnson, Seattle, Wash.  
 B.S. (Evergreen State College)  
 Janet K. Johnston, Piqua  
 Peyton Alexander Jones,  
 Princess Anne, Md.  
 Michele Lee Karl, Columbus  
 B.S.  
 Paula June Kaufman, Livingston, N. J.  
 Phyllis Sue Kimmelman, Mt. Laurel, N. J.  
 Anne Lewis Kincaid, Charlotte, N. C.  
 Joel Coulombe Kitchens, Batavia  
 B.S.  
 David Wayne Knapp, Concord, N. H.  
 B.S. (University of New Hampshire)  
 Alan Ray Knowles, Kinsman  
 B.S. (Bowling Green State University)

## College of Veterinary Medicine

Dean: Ronald A. Wright

### Doctor of Veterinary Medicine

Allan P. Adair, Paris, Ky.  
 B.S. (University of Kentucky)  
 Sarah Stamey Adair, Winston-Salem, N. C.  
 B.S. (University of North Carolina)  
 Sharon Ann Adler, Fort Washington, Md.  
 B.S. (West Virginia University)  
 Carla Hart Allen, Mansfield  
 B.S.  
 Constance Joan Anderholm, Columbus  
 B.S.  
 Lawrence Webster Anson, Columbus  
 B.A. (Wooster College)  
 Carey Rex Aron, Youngstown  
 B.S.  
 Nancy Ellen Ball, Cincinnati  
 Gary G. Bamberger, Strafford, N. H.  
 B.S., M.Sc. (University of New Hampshire)

Janet Beth Langenderfer, Enon  
A.B. (Miami University)

Jamie Glen Lindstrom, North Ridgeville  
B.S.

Philip Alan Lowe, Beverly  
B.S.

Elaine Elizabeth Lutz, Clark, N. J.  
B.S. (Virginia Polytechnic Institute and  
State University)

Robert H. Lynch, Louisville, Ky.  
B.S. (University of Kentucky)

Randy Carl Lynn, Bath  
B.S., M.Sc.

Cathie Sue Marshall, Columbus  
B.S., M.Sc.

Diane Elaine Mason, Loveland  
B.S. (Ohio University)

M. Theresa Masters, Columbus  
B.S.

Lisa Robyn Meltzer-Press, Fair Lawn, N. J.  
B.S.

William Russell Meyer, Columbus  
B.S.

Alice Wittmeyer Mills, Springfield  
B.S., M.Sc.

Caryn J. Mills, Chesterland  
B.S.

Susan Janet Morton, Somerville, N. J.  
B.S. (Delaware Valley College)

Jennifer Fairchild Moulton, Columbus

Ronald R. Moutvic, Columbus  
B.S.E.E. (University of Illinois) ; M.Sc.

Laurie J. Newby, Norfolk, Va.  
B.S. (Virginia Polytechnic Institute and  
State University)

Donna Lynn Nicol, Homeworth  
B.S. (Ohio University)

Daniel Edward Overmeyer, Defiance

Mark Alan Parker, Ashland, Ky.  
B.S. (Georgetown College)

Kirk Gordon Perkins, Dayton

Robert Edwin Porter, Jr., Cuyahoga Falls  
B.S.

Robert Hart Prasse II, Fredericksburg, Va.  
B.S. (Virginia Polytechnic Institute and  
State University)

Virginia Topliff Prince, Cincinnati  
B.S. (Cornell University)

Charles Steven Radabaugh, Columbus  
B.S., M.Sc.

Carol Osborne Rapisarda, Chesterland

Ronald Alan Reagh, Chagrin Falls  
B.S. (Miami University)

Jeffrey Lloyd Rhody, Baltimore, Md.

Robert Clinton Rigsby, Raleigh, N. C.  
B.S. (North Carolina State University)

Liesha Ann Rihl, Cedarville  
B.S.

Robert Frederick Roberts, Akron  
B.S. (University of Akron)

T. Arch Robertson, Gates Mills  
B.S.

Michael David Robison, White Plains, N. Y.  
B.S. (Indiana University) ;  
M.Sc. (Emory University)

Patricia L. Rose, Greensburg  
B.S.

Robin K. Rosen-Sharp, Cincinnati

Robert Charles Rosing, Columbus  
B.S. (University of Cincinnati) ; M.Sc.

Deborah Long Sams, Columbus  
B.S. (Denison University) ; D.D.S.

Martha Jane Schaad, Columbus  
B.S.

Tod James Schadler, Columbus  
B.S.

Mark John Schlesinger, Medina  
B.S.

Susan Elizabeth Schmidt, Lyndhurst  
B.S.

Carl Romie Schumaker, Carlisle  
B.S.

Mary Kay Schwab, Dublin  
B.S.

David Roy Smith, Xenia  
B.S.

Bruce John Solomon, Cleveland  
B.A.

Norman David Stewart, Columbus  
B.S., M.Sc.

Sheryl Lynn Strasser, Rockville, Md.

Earl Coleman Sutherland III, Fairborn  
B.S.C.E.

Clifford Richard Swanson, Columbus  
B.S., M.Sc.

Craig Leslie Sweeney, Raleigh, N. C.  
B.S. (North Carolina State University)

Jan Paul Tamarin, Alexandria, Va.  
B.S. (Virginia Polytechnic Institute and  
State University)

Jennifer Marie Thorpe, Troy  
B.S.

Amy Sue Tidwell, Louisville, Ky.

Marc Henry Toennies, Columbus  
B.S., M.Sc.

Marcia Maria Vandermause,  
Takoma Park, Md.

Daniel Craig Venner, Toledo  
B.S. (University of Toledo)

Jennifer Hindman Voss,  
Morgantown, W. Va.  
B.S. (West Virginia University)

Donna Lee Walker, Mayfield, Ky.  
B.S. (University of Kentucky)

Rosemary Henik Welt, Cincinnati  
B.S. (Northern Kentucky University) ;  
M.Sc.

Jerry Lee Wenger, Dalton  
B.S.

Kristine Elaine Willaman, Canton  
B.S. (University of Cincinnati)

Debra Heldman Williams, Arlington

Warren Lee Wilson, Columbus  
B.S.

Cheryl Armor Winslow, Cincinnati  
B.S. (University of Cincinnati)

## Graduates with Honors

Criteria for graduation with honors are as follows:

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

**Cum Laude** designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

**Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

**With Distinction in Agricultural Economics**  
Jeffrey C. Cox

**With Distinction in Agricultural Education**  
Daniel D. Dull  
Kathleen Ann Gutheil

**With Distinction in Agronomy**  
Daniel D. Dull  
Mary Lee Sauffer

**With Distinction in Animal Science**  
Tammie Lyn Smith  
Brian Robert Ward

**With Distinction in Chemical Engineering**  
Martindale Nelson  
Christopher Richied

**With Distinction in Dairy Science**  
Todd David Kranz

**With Distinction in Economics**  
Peter Andrew Cooper

**With Distinction in Electrical Engineering**  
Allison Lee Oldfield

**With Distinction in Family Relations  
and Human Development**  
Lynne Marie Girard

**With Distinction in Food Science  
and Nutrition**

LeAnn Sue Eyerman

**With Distinction in Forest Biology**

Thomas Edward Berneike  
Maureen Cecilia Newkold  
Martin Alan Spetich

**With Distinction in Mechanical Engineering**

Robert Luther Orndorff

**With Distinction in Mining Engineering**

Richard D. Goodman

**With Distinction in  
Natural Resources Development**

Howard Sidney Bowns, IV

**With Distinction in Poultry Science**

Christina J. Winget

**With Distinction in Psychology**

Pamela Sue Carter  
Robert Alan Ceisler  
Daniel B. Horne

**With Distinction in Welding Engineering**

Kenneth John Gangl

**With Distinction in Wildlife Management**

Carla S. Mayers

**With Distinction in Zoology**

Susan Mae Emans

**With Distinction in Anthropology and  
with Honors in the Liberal Arts**

Cynthia Kathleen Hendrix

**With Distinction in Economics and  
with Honors in the Liberal Arts**

Andrew Scott Bush

**With Distinction in Psychology and  
with Honors in the Liberal Arts**

Mary Joann Allen

**With Honors in the Liberal Arts**

Alp Sinan Baran  
Kevin Michael Chambers  
Nancy L. Essex  
Elise Marie Eustice  
Judith Ann Fairly  
Melissa Beth Frankel  
Stephen W. Fry  
Karen Virginia Guss  
Kimberly Sue Hague  
William Kenneth Jones, Jr.  
Richard Tucker Kaul  
Joseph Thomas Khoury, Jr.  
Lisa Jolene Klempay  
John David Pelfrey  
Stephen Christopher Phillips  
Cheryl Annette Ryder  
Michael Ruric Sprowls

Miriam Ann Tucker  
Charles Albert Vannatta  
David Donald Watson

**Cum Laude**

Colleen Ann Alexander  
Carla Hart Allen  
Robert Mark Andes  
Lawrence Webster Anson  
Gregory Lee Arthur  
Terry L. Artrip  
Linda Ann Balzano  
Patricia E. Barbee  
Thomas James Barnum  
Thomas William Bates  
Rajnish Kumar Batra  
Montgomery Lee Bauman  
Linda Ellen Belsito  
Brian Lee Berry  
Stephanie Lynn Bisca  
Gregory Mark Blackstone  
Nancy Marie Bliensner  
George Henry Boerger  
Cathy Elaine Boos  
Coy Lynn Boroff  
Linda Kay Boudin  
Mitchell Andrew Brack  
Robert Charles Brady  
Jackie Lynne Branson  
Kathy Lynn Brosch  
Avalon C. Bultema-Wilson  
Tamara Sue Bumpus  
Richard H. Burns, Jr.  
Karen Sue Burrows  
Susan Elaine Butt  
Marybeth Buttress  
Valerie Jean Campbell  
Lisa Marie Cannon  
Boyd Alan Carlson  
Mark David Carlson  
LuAnn Cherrington  
Ann Denise Christy  
Brent Eric Clinehens  
Valeri Kay Conley  
Leah Anne Crawford  
Jeffrey William Creceuius  
Rex A. Culver  
Dale Joseph Daniels  
Timothy Clifton Dawes  
Carl Paul DeBruin  
Catherine Anne DeFrancis  
James Scott Detling  
Sallee Ann Dignonno  
Andrew David Dottermusch  
Mary Kathryn Dougherty  
Lori Jane Dulworth  
Robert Bruce Duncan  
Karen Eisenloffel  
Phillip Elmo  
Renee Cecelia Erb  
Carol Anne Finger  
Joann Elizabeth Fisher  
Monica Anne Flynn  
George L. Foley  
Joseph Earl Fondriest  
Warren Kent Fox  
Tamila Lynn Franklin  
Michelle Lynn Fronch  
Kevin Paul Frydryk  
Roger L. Frye  
Michael Duane Garten  
Ronald Joseph Gaudio  
Douglas Gilbert Genninger  
Roberta Chadwick Gerlach  
Timothy Ray Gillman  
Michael Frederick Glantz  
Julie L. Graw  
Annette Marie Green  
Diane L. Griffith  
Tamara Lou Gross  
James Reid Hahn III  
Kevin David Hall  
Tracy Lee Hall  
Jan Marie Hammer  
Darrell John Hanf  
Barbara Anne Hanson  
Barbara Jean Hendricks  
Tracy Ann Hicks  
Brian Anthony Higgins  
Laura Estella Hill  
Robert Michael Hines  
Carolyn Sue Hixon  
Michael James Hoffman  
Steven Kent Hohulin  
Peter John Holjevac  
Ingrid Anita Holzwarth  
Vicki Lynn Horton  
Edward Kevin Hrusovsky  
Rodney L. Huffman  
Joseph Lawrence Hutta  
Paul Joseph Iacobelli  
Terri Ann Iley  
Daniel Allen Jackson  
Nina Lucille Jackson  
Donald James Jacob  
Ronald Brian Jenkins  
Laura Lee Jenkinson  
Joan Thresine Jennings  
Linda Suzanne Jones  
Kevin Howard Kast  
Eileen Therese Kellner  
Cheryl Lynn Kennedy  
Dawn Michelle Kessler  
Carrie Anita Kester  
Anne Lewis Kincaid  
Alfred G. Klein  
David Scott Knechtges  
Elaine Cella Knoll  
Monica Ann Knue  
Leslie Ann Koltookian  
Laura Leigh Koppes  
Brian John Kost  
Judith Jean Kramer  
Deborah Lee Kratooski  
Frank Joseph Krivanek  
Elizabeth Mary Kudlacz  
Tamara Mault Kuhlmann  
Michael Scott Kvitko  
Nancy Ann LaRocca  
John Marvin Leslie  
Maria Lynn Lager  
Julie Greiner Lamm  
Michael David Landes  
Carol Sue Landrum  
Kevin A. Langel  
Arnold Ira Leeb  
Philip Carl Lehenbauer  
James Arthur Leonard  
John Marvin Leslie  
Catherine Lee Lhamon  
Lori Kathleen Lutz  
Julie Ann Luzny  
Suzette Ann Maghes  
Barbara Ann Maibergger  
F. Howard Mandel  
Sharon Beth Marks  
Barbara Jo Martin  
Michael John Matiseik  
John Charles McBride  
Lauren Caborn McCoy  
Robert Brown McGhee, Jr.  
Gale Lynn McHenry  
Kenneth Karl McMahan  
Scott Thomas McPherson  
Michael Steven McQuaid



John Philip Mehegan  
Karen Lee Meier  
Philip Francis Mendiola  
Amy Lynn Middleton  
Kathy Lynn Mitchell  
Vina Bermudez Mogg  
Gerald A. Moore  
Susan Janet Morton  
Maroun Mansour Moussalem  
Valerie Ann Murchake  
Lisa Marie Murphy  
Carol Suzanne Nolan  
Janet Ellen Noll-Wessels  
Ralph Carlo Nolletti  
Patricia Kay Noykos  
Mary Elizabeth O'Brien  
Casey Louis O'Connor  
Beth Jeanine Obermeyer  
James L. Olivier  
Michelle Lynn Ott  
John Edward Otten  
Teresa Ann Ours  
Gregory Linden Paul  
Barbara Bucklin Payne  
Richard Scott Penny  
Mary Ellen Pesek  
Sarah L. Peterson  
Laura Zarro Pitzen  
Rick Lee Poepelman  
Bradford James Porter  
Kathleen Mary Stansbery Potts  
Judith Ann Primmer  
Robert E. Pritchard  
Debra Ann Proper  
Karen Kay Purdum  
Doris R. Purvis  
Joy Elizabeth Pusti  
Robert E. Pyle, Jr.  
Timothy Lee Ramsier  
Michael Joseph Rankin  
Rhonda Louise Ratliff  
Elaine Jennifer Rauch  
Lori Sue Ray  
Linda S. Reeder  
Faith E. Reidenbach  
Vanessa Dawn Resler  
Jeffrey Lloyd Rhody  
Leigh Ann Robertson  
Michael David Robison  
Patricia Jane Rockwell  
Keith Richard Rohrer  
Patricia L. Rose  
Douglas Duane Roth  
Lesley Kay Ruffener  
John Michael Russell  
Lori Barnett Ryan  
Carrie Allene Scarff  
Tammy Hoshor Scheidegger  
Mary Kay Schwab  
Lynnita Kaye Segovia  
Keith Lee Sellers  
Terry Shafer  
Tamara Sue Shaffer  
Christopher Allen Shealy  
Sanford Len Shew  
Dawn Yutzky Showalter  
Anne Stephanie Silverman  
Gary Allen Simons  
Diane Marie Smagatz  
Bradley Noel Smith  
Ida Adella Ann Smith  
Mary Joan Smith  
Stephen John Snider  
Lance Philip Spellerberg  
Melinda Gay Spencer  
Robert Frank Spurney  
Randall Mark St. Laurent  
Jane Maier Standley  
Janice Louise Stanek

Alan David Steginsky  
Gregory Lee Stevens  
Lucille Josephine Stiger  
David Alan Straka  
Jack Charles Sullivan  
Craig Leslie Sweeney  
Judith Ann Swoboda  
Bradley Keith Taylor  
Donna Gale Taylor  
Douglas A. Taylor  
Daniel Hillel Teitelbaum  
Sharon Gail Teplitsky  
Suzanne Carole Terrant  
William Brian Thacker  
Todd William Thompson  
Amy Sue Tidwell  
Kathy R. Trabue  
Janet Lynn Trifonoff  
Melaine Kay Trout  
Alan Dean Tumblyn  
Douglas Alan Turner  
Margaret Lynn Uland  
Carol Marie Vorst  
Constance Ann Walter  
Susan Dillman Waterbury  
Dennis Wade Watson  
Patricia Joan Welsh  
Todd William Westhafer  
Kimberly Sue Wheeler  
Sandra Lee Whisler  
Joel Morris White  
Douglas Edwin Wickerham  
Stephanie Anne Wiley  
Robert Henry Williams  
Joyce Kathleen Wilson  
James Timothy Wood  
Timothy Lee Workman  
Lawrence Oliver Wright  
Scott David Wyler  
Timothy Lee Yost  
Michael Joseph Zeleznik  
Robert Edward Zimmerman

**Cum Laude with Distinction in  
Aeronautical and Astronautical Engineering**

Ann Patricia Kerslake

**Cum Laude with Distinction in  
Animal Science**

Kathy Lee Hamilton

**Cum Laude with Distinction in Chemistry**

Lucius Seiberling Fox

**Cum Laude with Distinction in  
Dairy Science**

Lawrence R. Jones

**Cum Laude with Distinction in  
Environmental Communication**

Vivian Lee Stockman

**Cum Laude with Distinction in  
Forest Resource Management**

Daniel R. Balsler  
James Michael Roshetko

**Cum Laude with Distinction in Geography**

Tamara Sue Hower

**Cum Laude with Distinction in  
Geology and Mineralogy**

Marijke van Heeswijk

**Cum Laude with Distinction in  
Home Management and Housing**

Linda Elizabeth Strow

**Cum Laude with Distinction in  
Natural Resources Development**

William Robert Reiner, Jr.

**Cum Laude with Distinction in  
Parks and Recreation Administration**

Victoria Lynne Pfeifer  
Jennifer Yeauger

**Cum Laude with Distinction in  
Physical Therapy**

Sue Ann Carlson

**Cum Laude with Distinction in Psychology**

Thomas F. Biddle  
Joyce Rausch Ries

**Cum Laude with Distinction in  
Wildlife Management**

Daniel Wade McMillen

**Cum Laude with Distinction in Zoology**

Peter James Pema

**Cum Laude with Distinction in  
Biochemistry and with Honors in the  
Liberal Arts**

Joseph Edward Dohar

**Cum Laude with Distinction in Physics  
and with Honors in the Liberal Arts**

Don Frederic DeJongh

**Cum Laude with Honors in the  
Liberal Arts**

Louis Michael Biafore  
William Timothy Elgin  
Victor Allen Ferdinand  
William Allen Henderson  
Venkata Ramakrishna Jayanthi  
Julie Ann Seigel  
Stephen Joseph Stephens, Jr.  
Mark David Tucker

**Summa Cum Laude**

Carol A. Abbott  
Kenneth L. Andow  
Dennis Evan Appelbaum  
Vickie Riley Babcock  
Bernadette Jean Bilick  
Bruce Eric Blaho  
Linda Ann Blair  
Kathleen Ellen Bock  
Marcele Germann Bowen  
Anita K. Boyer  
Paul Douglas Brockman  
David Theodore Brown

William Paul Bryan  
Rickey James Burger  
Stephen Richard Cammarn  
Pamela Ann Capani  
Cara Lis Chenfeld  
Scott Bradley Citino  
James Hull Cordray  
Gregory Sean Cousino  
Pamela L. Craycraft  
Alan Paul Curtis  
Anne Alise Cuticchia  
Kevin Kevin Davis  
William Watson Davison  
Kevin M. Distelhorst  
Thomas Stephen Dunham  
Michael Robert Eby  
Vickie Lynn Echelberry  
Kevin Eugene Ellinger  
Geraldyn Marie Engler  
Timothy Allan Esbenshade  
William John Flynn  
Daniel James Freytag  
Irene Annette George  
Nancy Ann Germann  
Cheryl Lynn Gordon  
Holly Jade Greene  
Carol LeCompte Griffith  
Virginia Sue Shearer Heins  
James Bernard Hermiller, Jr.  
Thomas William Hesterman  
Helen Marie Hoffmann  
Jacqueline Faye Hohulin  
Laurie Ann Holman  
Karen Sue Holt  
Theresa Ann Houchin  
Annette E. Houk  
Jeffrey Colin Huber  
David Richard Hull  
Patrick Edward Hupp  
Julie Ann Hutt  
David Phillip Ingold  
Joyce Marie Johnson  
Tami Lynne Jones  
Terri L. Jones  
Patricia Ann Kaiser  
James Robert Kent  
William Lloyd Kerr  
Macrina Ann Kershner  
Ann Renee Koval  
Rebecca Lynn Kuhn  
Teri Kuhlman Leonard  
Elliot Louis Levine  
Gary Edward MacPhee  
Leila Sue Maloof  
M. Theresa Masters  
Patricia Marie McNichols  
Jeryl Anne Meeks  
Barbara Ann Meese  
Dwight Alan Meglan  
Cathy Ellen Mehl  
Dean Vincent Melcher  
Deanne Louise Miller  
Diane Lynn Moore  
Beth Lorraine Morrison  
Donna Lynn Nicol  
Lynne Marie Parkinson  
Nancy Ellen Pearson  
Lynne Marie Peltomaa  
Timothy James Penton  
Alice Rose Piowarczyk  
Edward John Putt  
David Alton Ray  
Diane Kathryn Reik  
Peter Charles Rogan  
William David Rudolph  
Pamela Jean Schechter  
Sylvia Lynn Schonauer  
Lois Ann Schostek  
Brenda Lee Self

Pamela Faith Setnar  
Barbara Ann Shaw  
Barbara Ann Shook  
David Ira Shoup  
Brian Keith Siler  
Susan Pauline Specter  
Diane Marie Stiles  
Lori S. Stern  
Dennis Courtney Stoiber  
Attila Szabo  
Barbara A. Tewart-Darwin  
Ted Keller Trabue  
Marcia Maria Vandermause  
Marie Ann Wargein  
Lisa Ann Warner  
Reinhard George Weiss  
Marilyn Grace Weston  
Jacqueline Lee Wills  
Rex Daniel Wilson  
Leonore Catherine Witchey

**Summa Cum Laude with Distinction in Accounting**

Judith Ray Vejlupek

**Summa Cum Laude with Distinction in Agricultural Economics**

Brian Howard Watkins

**Summa Cum Laude with Distinction in Agronomy**

Stephanie L. Schroeder

**Summa Cum Laude with Distinction in Animal Science**

Jeanne Osborne

**Summa Cum Laude with Distinction in Dairy Science**

Joan Siciliano Jones

**Summa Cum Laude with Distinction in Fisheries Management**

Kevin Adam Kayle

**Summa Cum Laude with Distinction in Forest Biology**

Anthony Joseph Vidmar

**Summa Cum Laude with Distinction in Horticulture**

Daniel Albert Herms

**Summa Cum Laude with Distinction in Parks and Recreation Administration**

Ronald Rae Fowler

**Summa Cum Laude with Distinction in Physical Therapy**

Deborah Ann Kimble

**Summa Cum Laude with Distinction in Psychology**

Ruth Ann Ksienski

**Summa Cum Laude with Distinction in Welding Engineering**

Lorne Alan Weeter

**Summa Cum Laude with Distinction in Zoology**

Alan James Murnane

**Summa Cum Laude with Distinction in History and with Honors in the Liberal Arts**

Stephen Charles Mixter

**Summa Cum Laude with Distinction in International Studies and with Honors in the Liberal Arts**

Margaret Louise Best

**Summa Cum Laude with Distinction in Psychology and with Honors in the Liberal Arts**

David Lawrence Fox

**Summa Cum Laude with Honors in the Liberal Arts**

Ann Kathryn Dapor  
Jeremy Avram Klapper  
Kevin B. Richardson  
Teri Lynn Steiner  
Douglas Alan Stuart

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND ONE HUNDRED AND NINETIETH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 9, 1983

The Board of Trustees met at its regular monthly meeting on Thursday, June 9, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: John D. Jacob, Chairman, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, and Hamilton J. Teaford.

\* \* \*

Minutes of the last meeting were approved.

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June 9, 1983 meeting, Board of Trustees

### INTRODUCTION OF NEW BOARD MEMBER

Dr. Jacob introduced the new member of the Board of Trustees:

I am delighted to introduce Mr. Hamilton J. Teaford of Columbus whose appointment for a term beginning May 14, 1983 and ending May 13, 1992 to succeed Warren J Smith, whose term expired, was announced last month by Governor Richard Celeste.

Mr. Teaford graduated with honors from Wesleyan University, Middletown, Connecticut, and earned his J.D. from Harvard Law School. He completed his secondary education here in Columbus where he graduated from North High School.

In 1966 Mr. Teaford traveled to Nigeria as a Peace Corps volunteer and English teacher, and he later became a program officer for the Ford Foundation and legal advisor for the Small Industries Credit Scheme in Kaduna, Nigeria. He was a trial examiner for the Federal Home Loan Bank Board in Washington for four years, and is presently a partner in the Columbus law firm of Teaford, Rich & Dorsey.

He is a member of a number of civic, cultural and church groups, and served as treasurer of the Celeste in '82 Committee.

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The Chairman, Dr. Jacob, called the meeting of the Board of Trustees to order at 12:15 p.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: John D. Jacob, Chairman, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, and Hamilton J. Teaford.

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June 9, 1983 meeting, Board of Trustees

Dr. Jacob reconvened the meeting at 1:30 p.m.

**COMMITTEE APPOINTMENTS 1983-84**

Resolution No. 83-139

WHEREAS the appointments to Committees and representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1983-84 are as follows:

Educational Affairs Committee	Daniel M. Galbreath, Chairman Shirley D. Bowser, Vice Chairman Leonard J. Immke
Fiscal Affairs Committee	Edmund C. Redman, Chairman John W. Berry, Vice Chairman John F. Havens
Standing Committee on Agricultural Affairs	Shirley D. Bowser, Chairman Dale Locker, Vice Chairman, Ex Officio Daniel M. Galbreath
Student Affairs Committee	D. James Hilliker, Chairman John W. Berry, Vice Chairman Hamilton J. Teaford
Personnel Committee	John D. Jacob, Chairman D. James Hilliker John F. Havens
Development Fund Board of Directors	Shirley D. Bowser (1982-84) Leonard J. Immke (1983-85)
Inter-University Council	Hamilton J. Teaford
Research Foundation Board of Directors	John F. Havens (1983-86)
University Hospitals Board	Daniel M. Galbreath Edmund C. Redman

**NOW THEREFORE**

BE IT RESOLVED, That the Committee appointments and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1983-84 be approved.

Upon motion of Mr. Redman, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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June 9, 1983 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY 3335-5-33, 3335-5-34,  
3335-5-36, 3335-5-58, 3335-9-31 AND DELETION OF RULE 3335-9-16**

Resolution No. 83-140

*Synopsis: Amendments to rules 3335-5-33, 3335-5-34, 3335-5-36, 3335-5-58, 3335-9-31, and deletion of rule 3335-9-16 are being proposed.*

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to *Rules of the University Faculty* as approved by the University Senate; and

WHEREAS the amendments to rules 3335-5-33, 3335-5-34, 3335-5-36, 3335-5-58, 3335-9-31 and the deletion of rule 3335-9-16 of *Rules of the University Faculty* were approved by the University Senate on May 14, 1983, as follows:

AMENDED RULES

3335-5-33 Membership.

There shall be a graduate council constituted as follows:

- (A) Chairperson. The dean of the graduate school shall chair the graduate council.
- (B) Elected faculty members. Forty members of the graduate faculty, four elected by the regular members of the graduate faculty from each of the ten graduate areas: administrative sciences, agricultural sciences, the arts, biological sciences, education, engineering sciences, humanities, physical sciences and mathematics, professional biological sciences, and social and behavioral sciences.
- (C) Alternate faculty members. Each faculty member of the graduate council is expected to attend its meetings regularly but alternate representatives shall be elected for each area in order to assure full attendance at meetings when elected faculty members are justifiably absent. When an elected member is off duty or unable to attend a meeting of the graduate council, the member shall notify the secretary of the graduate school in advance of the meeting, giving the name of the alternate who will attend. The alternate shall then have the general powers and privileges in the graduate council of the member represented.

Service as an alternate does not make the alternate ineligible for election to membership in the council the following year.

- (D) Student members. Twelve graduate students, one from each of the ten graduate areas, and two at large, shall be elected by the council of graduate students. These members shall serve terms of one year and shall be eligible for at most three consecutive terms.

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY 3335-5-33, 3335-5-34,  
3335-5-36, 3335-5-58, 3335-9-31 AND DELETION OF RULE 3335-9-16 (contd)**

- (E) Alternate student members. Each student member of the graduate council is expected to attend its meetings regularly but an alternate representative shall be appointed for each member in order to assure full attendance at meetings when appointed student members are justifiably absent. When a student member is unable to attend a meeting of the graduate council, the member shall notify the secretary of the graduate school in advance of the meeting, giving the name of the alternate who will attend. The alternate shall then have the general powers and privileges in the graduate council of the member represented.

**3335-5-34 Election of faculty members.**

- (A) Faculty members shall be elected from each of the ten graduate areas defined in rule 3335-5-33 of the Administrative Code, for staggered terms of four years and shall be ineligible for reelection for one year thereafter.

**3335-5-36 Committees.**

- (A) There shall be five standing committees: executive, curriculum, policy and standards, research, and graduate associate. Each committee will be chaired by the dean of the graduate school, or designee.
- (B) The executive, curriculum, policy and standards, and research committees shall each consist of ten faculty members of the graduate council, one from each graduate area, and three graduate student members, all of whom are members of the graduate council. The graduate associate committee shall consist of eight graduate faculty members, two of whom are members of the graduate council, and three graduate student members.
- (C) Specific responsibilities, in addition to those assigned by the graduate council or the dean of the graduate school, are as follows:
- (1) The curriculum committee considers and acts on courses carrying graduate credit and considers and recommends to the graduate council action on graduate degree programs.
  - (2) The executive committee considers and acts on graduate faculty nominations and student petitions.
  - (3) The policy and standards committee considers and recommends to the graduate council policies and rules related to graduate education.
  - (4) The research committee considers and recommends to the graduate council policies and rules related to research.
  - (5) The graduate associate committee considers and recommends to the graduate council policies and rules related to graduate associates.



June 9, 1983 meeting, Board of Trustees

**AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY 3335-5-33, 3335-5-34,  
3335-5-36, 3335-5-58, 3335-9-31 AND DELETION OF RULE 3335-9-16 (contd)**

3335-5-58 Committee on academic freedom and responsibility.

- (A) The committee on academic freedom and responsibility shall consist of six faculty members of the university senate and two graduate teaching, research, or administrative associates. The faculty membership shall nominate faculty members from whom the university senate will elect, at its special meeting in June, faculty members. The council of graduate students shall nominate four graduate associates from whom the university senate will elect, at its first meeting in autumn quarter, the graduate associate members for twelve-month terms. For the period of time beginning in June and ending with the start of autumn quarter, there will be eight faculty members and two graduate associate members from which a quorum of five will be established. Vacancies on the committee shall be filled through election by the university senate with nominations from the floor.

3335-9-31 Requirements for a graduate degree.

To obtain a graduate degree from this university, a graduate student must have met the minimum requirements established by the graduate council and approved by the board of trustees, and have filed an application for the degree in accordance with rules prescribed by the graduate council.

NOW THEREFORE

BE IT RESOLVED, That the amendments to the *Rules of the University Faculty* and the deletion of rule 3335-9-16 be adopted as recommended by the University Senate.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**ESTABLISHMENT OF COLLEGE OF HOME ECONOMICS**

Resolution No. 83-141

*Synopsis: Recommendation to change School of Home Economics to College of Home Economics is being proposed.*

WHEREAS the School of Home Economics' faculty, staff, students and alumni support and approve the proposal to grant Home Economics college status; and

June 9, 1983 meeting, Board of Trustees

**ESTABLISHMENT OF COLLEGE OF HOME ECONOMICS (contd)**

WHEREAS college status would allow Home Economics' faculty to set their own directions, goals and future; and

WHEREAS college status would allow Home Economics to be much more effective in their research and public service missions; and

WHEREAS Home Economics has a well established subject matter, significantly different from other colleges to warrant college status; and

WHEREAS the School of Home Economics has approximately fifty faculty members distributed through all faculty ranks, with well established and recognized faculty at the graduate level, with sufficient numbers of graduate faculty at the Category II and III levels:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the action of the University Senate to change the School of Home Economics to College of Home Economics which was recommended at the May 14, 1983 meeting; and

BE IT FURTHER RESOLVED, That this change shall be effective July 1, 1983.

Upon motion of Mr. Teaford, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**WAIVER OF PARAGRAPH (G) OF BYLAW 3335-1-08  
OF THE ADMINISTRATIVE CODE**

Resolution No. 83-142

*Synopsis: Request to waive paragraph (G) of bylaw 3335-1-08 of the Administrative Code for the renaming of West Hall.*

WHEREAS the Board of Trustees of The Ohio State University did, on January 9, 1976, amend paragraph (G) of bylaw 3335-1-08 of the Administrative Code to state that "buildings and structures shall not be named for any person who is an officer or employee of the University or the State of Ohio, but may be named for a person who has been retired or has otherwise left such a position for a minimum of three years"; and

WHEREAS the President wishes to recommend that the West Hall be renamed to honor John T. Mount who is to retire as Vice President for Regional Campuses and Dean of University College:

June 9, 1983 meeting, Board of Trustees

**WAIVER OF PARAGRAPH (G) OF BYLAW 3335-1-08  
OF THE ADMINISTRATIVE CODE (contd)**

NOW THEREFORE

BE IT RESOLVED, That paragraph (G) of bylaw 3335-1-08 of the Administrative Code be waived so that West Hall can be renamed for a living person.

Upon motion of Mrs. Bowser, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**NAMING OF BUILDING**

Resolution No. 83-143

*Synopsis: Renaming of West Hall is being proposed.*

WHEREAS pursuant to the authority of this Board in naming of all buildings at The Ohio State University as set forth in paragraph (G) of bylaw 3335-1-08 of the Administrative Code; and

WHEREAS, the President recommended, with the concurrence of the President's Staff, that West Hall, located at 1050 Carmack Road, be named John T. Mount Hall, to honor Mr. Mount's service in a leadership role at the University for 42 years:

NOW THEREFORE

BE IT RESOLVED, That the above specified building be renamed John T. Mount Hall.

Upon motion of Mrs. Bowser, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**HONORARY DEGREES**

Resolution No. 83-144

*Synopsis: Approval is requested for awarding honorary degrees to two individuals.*

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Vincent T. DeVita	Doctor of Science
Lloyd M. Parks	Doctor of Science

June 9, 1983 meeting, Board of Trustees

### HONORARY DEGREES (contd)

NOW THEREFORE

BE IT RESOLVED, That the above honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipients.

Upon motion of Mr. Berry, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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### PERSONNEL ACTIONS

Resolution No. 83-145

*Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Retirement, Changes in Title, Appointments, Reappointment of Ombudsman, Appointment of Department Chairpersons and Director of School and Center, Reappointment of Chairpersons of Departments and Division, Medical Staff-Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.*

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the May 5, 1983 meeting of the Board, including the following Retirement, Changes in Title, Appointments, Reappointment of Ombudsman, Appointment of Department Chairpersons and Director of School and Center, Reappointment of Chairpersons of Departments and Division, Medical Staff-Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

#### Retirement

JOHN T. MOUNT will retire as Vice President for Regional Campuses and Dean of University College, effective June 30, 1983.

#### Changes in Title

Name:	DAVID H. BOYNE
Title:	Associate Provost
Office:	Academic Affairs
Effective:	June 1, 1983
Salary:	\$65,280.00
Present Position:	Professor and Chairperson, Department of Agricultural Economics and Rural Sociology, and Professor, Cooperative Extension Service

**PERSONNEL ACTIONS (contd)**

Changes in Title (contd)

Name: FRANCILLE M. FIREBAUGH  
Title: Associate Provost  
Office: Academic Affairs  
Effective: June 1, 1983  
Salary: \$66,720.00  
Present Positions: Acting Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources, and Professor, Department of Home Management and Housing

Name: RUSSELL J. SPILLMAN  
Title: Associate Provost  
Office: Academic Affairs  
Effective: May 1, 1983  
Salary: \$64,080.00  
Present Positions: Associate Dean, College of Education and Associate Professor in the Academic Faculty of Educational Administration

Name: THOMAS A. WILLKE  
Title: Acting Dean of University College and Vice Provost for the Colleges of the Arts and Sciences  
Office: Academic Affairs  
Effective: July 1, 1983  
Salary: \$58,080.00  
Present Positions: Vice Provost for the Colleges of the Arts and Sciences and Professor, Department of Statistics

Name: TED R. ROBINSON  
Title: Associate Vice President for Academic Affairs (Regional Campuses)  
Office: Academic Affairs  
Effective: July 1, 1983  
Salary: \$54,480.00  
Present Positions: Assistant Vice President, Regional Campuses, and Associate Professor, Department of Agricultural Education

Name: GEORGE R. GIST  
Title: Director  
Office: Cooperative Extension Service  
Effective: July 1, 1983  
Salary: N/A  
Present Position: Acting Director, Cooperative Extension Service

June 9, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Appointments**

Name: JACK A. BOULANT  
Title: Associate Professor (Fred A. Hitchcock Professorship in Environmental Physiology)  
Department: Physiology  
Effective: July 1, 1983  
Salary: \$44,040.00  
Present Position: Associate Professor, Department of Physiology

Name: CARL V. LEIER  
Title: Associate Professor (James W. Overstreet Chair in Cardiology)  
Department: Medicine  
Effective: July 1, 1983  
Salary: \$70,200.00  
Present Positions: Associate Professor, Department of Medicine and Department of Pharmacology

**Reappointment of Ombudsman**

Name: DONALD W. GOOD  
Title: Ombudsman  
Office: Office of the President  
Effective: July 1, 1983 through June 30, 1986  
Salary: N/A  
Present Positions: Ombudsman and Associate Professor, Department of English

**Appointment of Department Chairpersons and Director of School and Center**

July 1, 1983 through June 30, 1987

Dance	Vickie Blaine
Educational Policy and Leadership	Lonnie H. Wagstaff
Educational Theory and Practice	C. Ray Williams
Human Services Education	Thomas M. Stephens

July 1, 1983 through June 30, 1984

Entomology	*David J. Horn
School of Allied Medical Professions	**Mary Rosita Schiller

\* Acting Chairperson

\*\* Acting Director

June 9, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Appointment of Department Chairpersons and Director of School and Center (contd)

June 1, 1983 through June 30, 1984

Agricultural Economics and Rural Sociology \*Bernard Erven

October 1, 1983 through June 30, 1984

Center for Medieval and Renaissance Studies \*\*James M. Kittelson

October 1, 1984 through June 30, 1988

Center for Medieval and Renaissance Studies Christian K. Zacher

Reappointment of Chairpersons of Departments and Division

July 1, 1983 through June 30, 1984

Medicine Calvin M. Kunin

July 1, 1983 through June 30, 1986

Medicinal Chemistry and Pharmacognosy Duane D. Miller

October 1, 1984 through June 30, 1988

East Asian Languages and Literatures Timothy Light

\* Acting Chairperson

\*\* Acting Director

**Medical Staff--Appointments**

George M. Bescak, D.O.	Courtesy Staff in Renal Diseases (Medicine)	Clinical Instructor
Edward M. Blaine, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
Jerome J. Cunningham	Attending Staff in Diagnostic Radiology	Professor
John R. Davis, M.D.	Limited Staff in Radiology (Nuclear Medicine)	Clinical Instructor H.S.
William W. Hunter, Jr., M.D.	Attending Staff in Diagnostic Radiology	Associate Professor
Brigitte Kuperwasser, M.D.	Attending Staff in Anesthesiology	Assistant Professor
Ruben G. Martinez, M.D.	Limited Staff in Anesthesiology (Fellow)	Clinical Instructor H.S.

June 9, 1983 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Leaves of Absence Without Salary

CHARLES BREWER, Professor, Department of Architecture, effective October 1, 1983 through June 30, 1984, to pursue a research project.

H. YUAN TIEN, Professor, Department of Sociology, effective October 1, 1983 through March 31, 1984, to accept a Fellowship from the Woodrow Wilson International Center, Washington, D. C.

DAVID MICHAEL LAMPTON, Associate Professor, Department of Political Science, effective October 1, 1983 through June 30, 1984, to serve as Senior Advisor and Director of Special Projects for Committee on Scholarly Communication with the People's Republic of China at the National Academy of Sciences.

MOIRA LOGAN, Associate Professor, Department of Dance, effective Autumn Quarter 1983, for personal reasons.

STEPHEN J. RALLIS, Associate Professor, Department of Mathematics, effective Winter Quarter 1984, to accept an invitation from the Institute for Advanced Study.

PAUL D. SEYMOUR, Associate Professor, Department of Mathematics, effective October 1, 1983 through December 31, 1983, to enable him to collaborate with an excellent combinatorics group at M.I.T.

NEIL F. FALKNER, Assistant Professor, Department of Mathematics, effective October 1, 1983 through June 30, 1984, to accept a position as Visiting Assistant Professor at The University of British Columbia, Vancouver, B. C., Canada.

ROMAN T. SKARDA, Assistant Professor, Department of Veterinary Clinical Sciences, effective January 1, 1984 through December 31, 1984, to complete his Venia Legendi (Ph.D. degree) at the University of Zurich, Zurich, Switzerland.

ROBERT KENT WEAVER, Assistant Professor, Department of Political Science, effective October 1, 1983 through June 30, 1984, to join the staff of the Brookings Institution in Washington, D. C.

#### Professional Improvement Leaves

ALAN J. RUBIN, Professor, Department of Civil Engineering, effective Winter Quarter 1984 and Spring Quarter 1984.

PAUL G. SHEWMON, Professor, Department of Metallurgical Engineering, effective Winter Quarter 1984, Spring Quarter 1984, and Summer Quarter 1984.

ANDREW WOJCICKI, Professor, Department of Chemistry, effective Winter Quarter 1984 and Spring Quarter 1984.



June 9, 1983 meeting, Board of Trustees

### PERSONNEL ACTIONS (contd)

#### Professional Improvement Leaves (contd)

GEORGE P. ECKER, Associate Professor, Department of Educational Policy and Leadership, effective Autumn Quarter 1983, Winter Quarter 1984, Spring Quarter 1984, and Summer Quarter 1984.

SHIRLEY A. OLSEN, Associate Professor, Department of Industrial Design, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

DOUGLASS S. KERR, Associate Professor, Department of Computer and Information Science, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

MARGRET PIERSON, Associate Professor, Department of Dance, effective Winter Quarter 1984 and Spring Quarter 1984.

DANIEL B. SHAPIRO, Associate Professor, Department of Mathematics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

PHEORIS WEST, Assistant Professor, Department of Art, effective Winter Quarter 1984 and Spring Quarter 1984.

#### Emeritus Titles

JOHN T. MOUNT, University College, with the title Vice President and Dean Emeritus, effective July 1, 1983.

ROBERT J. ATWELL, School of Allied Medical Professions, with the title Professor Emeritus, effective July 1, 1983.

H. RICHARD BLACKWELL, College of Optometry, with the title Professor Emeritus, effective September 1, 1983.

IRMA M. COOPER, School of Music, with the title Professor Emeritus, effective July 1, 1983.

JOHN FREEMAN, Department of Art, with the title Professor Emeritus, effective July 1, 1983.

EUGENE FRILEY, Department of Art, with the title Professor Emeritus, effective July 1, 1983.

FRANKLIN LUDDEN, Department of History of Art, with the title Professor Emeritus, effective July 1, 1983.

NORMAN O. ROTHERMICH, Department of Medicine, with the title Clinical Professor Emeritus, effective July 1, 1983.

June 9, 1983 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Emeritus Titles (contd)

SHEILA M. GOFF, Department of Communication, with the title Associate Professor Emeritus, effective July 1, 1983.

MARY M. MILLICAN, Department of Textiles and Clothing, with the title Associate Professor Emeritus, effective July 1, 1983.

ADAH RUTH SUTTON, School of Allied Medical Professions, with the title Associate Professor Emeritus, effective July 1, 1983.

JOHN H. SEILHAMER, Office of the University Architect, with the title University Architect Emeritus, effective July 1, 1983.

Upon motion of Mr. Redman, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 83-146

*Synopsis: Resolutions honoring the service of four of the University's faculty members who have recently died are being proposed.*

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

Upon motion of Mr. Immke, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Margaret L. Helfrich

The Board of Trustees of The Ohio State University expresses sorrow upon the death on April 25, 1983, of Margaret L. Helfrich, Professor in the Department of Sociology.

Margaret Helfrich was born in Pittsburgh, Pennsylvania, December 31, 1929. She completed her high school education at Swissvale High School in Pittsburgh in 1947. She received a B.A. degree with a major in sociology from Duquesne University in 1951; her M.A. and Ph.D. from the University of Pittsburgh in sociology in 1954 and 1960, respectively. She joined The Ohio State University Department of Sociology in March 1959, as an Instructor. She was promoted to Assistant Professor in 1960, Associate Professor in 1966, and Professor in 1972.

June 9, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Margaret L. Helfrich (contd)

Dr. Helfrich won the Chi Omega Award for "outstanding woman student in sociology" while attending the University of Pittsburgh. She was the first woman to achieve Professor rank in the Department of Sociology at Ohio State.

Dr. Helfrich's major substantive areas were industrial and economic sociology, the professions, sociology of business and the sociology of art and music. She authored two monographs, *The Social Role of the Executive's Wife* and *The Professionalization of Dental Students*. She also published about 20 articles in professional journals.

Dr. Helfrich was a founding member and the chair (1964-1966) of the Committee on Industrial and Organizational Sociology in the American Sociological Association.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Charles L. Howell

The Board of Trustees of The Ohio State University expresses its sorrow at the death on May 30, 1983, of Dr. Charles L. Howell, Professor and Director of Continuing Education in the College of Dentistry.

Dr. Howell received his D.D.S. degree from Indiana University in 1946. He served an internship in the United States Public Health Service from 1946-47. He was recalled to active duty in the United States Public Health Service and was discharged with the rank of Lt. Colonel in 1955. He received a M.P.H. degree from Johns Hopkins University in 1948.

He was Assistant Director, Dental Division, Indiana State Board of Health, 1953-61; Assistant Dean, Indiana University School of Dentistry, 1961-64; Dean and Professor of Public Health and Preventive Dentistry, Temple University School of Dentistry, July 1, 1964 to June 1975; Acting Vice President, Temple University Health Sciences Center, August 1970 to April 1971; Dean and Professor, The Ohio State University College of Dentistry, July 1, 1975 to June 30, 1980; Director, Continuing Dental Education, College of Dentistry, The Ohio State University July 1, 1980 to present.

He held offices in various dental organizations such as Secretary-Treasurer, American Association of Public Health Dentists; President, American Association of Public Health Dentists; Secretary, Indiana State Dental Association; and President, American Association of Dental Schools.

Dr. Howell was a member of the Academy of Stomatology, American Association of Dental Schools, American Association of Public Health Dentists, American Dental Association,

June 9, 1983 meeting, Board of Trustees

**RESOLUTION IN MEMORIAM (contd)**

Charles L. Howell (contd)

American Public Health Association, American Society of Dentistry for Children, International Association for Dental Research, Ohio Dental Association, Columbus Dental Society; Fellow, Academy of General Dentistry; Fellow, American College of Dentists. He was a member of Omicron Kappa Upsilon, National Honorary Dental Fraternity.

Dr. Howell conducted the first clinical studies on the effectiveness of topically applied stannous fluoride. He served as Chairman, Council on Dental Research, American Dental Association, and was a member of the Council on Dental Education, American Dental Association.

He received the Distinguished Alumnus Award for 1970 from Indiana University School of Dentistry and the Outstanding Service Award in 1973 from Temple University Dental School Alumni Society.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Wynne M. Silbernagel

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 5, 1983 of Wynne M. Silbernagel, Assistant Professor Emeritus in the College of Medicine - Department of Obstetrics & Gynecology.

Wynne Metcalf Silbernagel was born on May 7, 1905, in Columbus, Ohio. He was a graduate of Denison University, Granville, Ohio, from which he received the B.S. degree in biology in 1926 and Jefferson Medical College in Philadelphia from which institution he received the M.D. degree in 1930. He served an internship at St. Luke's Hospital, Cleveland, Ohio, and thereafter did clinical training in Vienna, Austria, and at White Cross Hospital, Columbus, Ohio.

Doctor Silbernagel had a long career with a practice in obstetrics and infertility in particular. He was a Diplomat of the American Board of Obstetrics & Gynecology and a Fellow of the International College of Surgeons. Locally he served as the second President of the Columbus Obstetric & Gynecologic Society of which he was a founding member.

Doctor Silbernagel first joined the faculty of the Department of Obstetrics & Gynecology of The Ohio State University as a clinical instructor in 1954 and was promoted to clinical assistant professor in 1955. During his active career he was for six years the Chairman of the Department of Obstetrics & Gynecology at White Cross Hospital and remained a member of the senior attending staff at Riverside Methodist Hospital, its successor.

June 9, 1983 meeting, Board of Trustees

### RESOLUTIONS IN MEMORIAM (contd)

Wynne M. Silbernagel (contd)

Doctor Silbernagel's interest in his field led to the publication of a dozen scientific articles and a contribution of significant time in the training of resident physicians and teaching medical students as one of the part-time faculty of this University. Upon retirement in 1975, Doctor Silbernagel was named Assistant Professor Emeritus.

Although he had been inactive due to illness in recent years, he was and will be long remembered and much loved by those whose lives he has touched.

On behalf of the University community, the Board of Trustees expresses to the family of Doctor Silbernagel its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

Raymond F. Sletto

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 9, 1983 of Raymond F. Sletto, Professor Emeritus in the Department of Sociology.

Raymond Sletto was born in Gibbon, Minnesota, July 20, 1906. He received a B.S. degree from the University of Minnesota in 1926, A.M. in 1932 and Ph.D. in 1936. Post doctoral study was undertaken at Columbia (1939) and the University of Chicago (1940).

Professor Sletto's earlier academic career was accomplished at the University of Minnesota, as Instructor, 1930-36, Assistant Professor, 1937-39, Associate Professor, 1940-47. He joined The Ohio State University as a Professor of Sociology in 1947 and served as Chairman in the, then, Department of Sociology and Anthropology from 1950-1967, the longest chairmanship in the Department's history.

Professor Sletto's major interests in his chosen field were statistical methods, research design, social measurement, prediction systems, social psychology and mental health. His research career included Directorships in the Bureau of Social Research Minneapolis Council of Social Agencies (1937-38) and the Sociological Research Lab, Department of Sociology at the University of Minnesota (1945-47). He served as consultant on research to the Office of War Information, U. S. Housing Administration and American Public Health Association (1943-45) and other federal agencies.

Dr. Sletto made many important contributions to the social science literature. Among his publications were *Personality and the Depression* (with E. A. Rundquist) (1936) and *Construction of Personality Scales by the Criterion of Internal Consistency* (1937), and numerous professional articles. Dr. Sletto was active in professional and scientific societies: the American Sociological Association (chairing various committees through the years); the Ohio Valley Sociological Society; Sociological Research Association (President 1955-56); Alpha Kappa Delta; and American Statistical Association.

June 9, 1983 meeting, Board of Trustees

**RESOLUTIONS IN MEMORIAM (contd)**

Raymond F. Sletto (contd)

Professor Sletto was well known for a strong sense of duty and tenacity in its performance. He had much positive influence on the careers of many sociologists who were his advisees, students, and professionals who served in the Department during his tenure as Chairman.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 83-147

*Synopsis: The reports on contracts, grants, and gifts and the summary for April 1983 are presented for Board acceptance.*

WHEREAS monies are solicited and received on behalf of the University and the Ohio Agricultural Research and Development Center from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of April 1983, be approved.

Upon motion of Mr. Berry, seconded by Mr. Immke, the foregoing resolution was adopted by the Board of Trustees by unanimous voice vote.

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR APRIL 1983**

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	68	\$4,814,417.34
Engineering Experiment Station	59	\$ 265,722.00
Ohio Agricultural Research and Development Center	7	\$ 75,500.00
		\$5,155,639.34
The Ohio State University Development Fund		
Establishment of Named Funds		
The Durr Memorial Research Fund for Poultry Science (Department of Poultry Science)		\$ 152,000.00
The Carl M. Bohner Memorial Fund (College of Engineering - scholarships)		\$ 111,000.00
The Helen P. Alkire Scholarship Fund (Department of Dance)		\$ 15,000.00
The Ruth and LeRoy Bradford Fund (Scholarships - football or basketball squads)		\$ 11,000.00
Mary S. Wright Scholarship Fund (Scholarships)		\$ 10,000.00
Biological Sciences Student Activities Fund (Activities - College of Biological Sciences)		\$ 8,000.00
The Phi Kappa Phi OSU Chapter Scholarship Fund (Undergraduate scholarships)		\$ 7,500.00

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR APRIL 1983 (contd)**

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Ralph H. Grimshaw Award (Department of Animal Science)	\$ 6,991.00
The R. C. Miller Agricultural Engineering Student Award Fund (Award - Department of Agricultural Engineering)	\$ 5,534.00
Ohio Biological Survey Endowment Fund (Publishing, research, and service programs)	\$ 5,000.00
The Rosemarie Sena Endowed Scholarship Fund (Undergraduate scholarships - College of Humanities)	\$ 5,000.00

Report from Presidents Club

Members to date	4,591
1983 members: year to date	43
New members - April 1983	11

New Presidents Club Members - April 1983

Nancy L. Alt	Michael A. Greenberg
Glenn D. Eckfeld	James A. Neidhart
Wesley J. Johnston	Gerald S. Office, Jr.
William J. Fanning	Charles E. Perotti
Stuart A. Gold	Russell E. Ramser, Jr.
Geri Greenberg (Mrs. Michael)	



June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - April 1983

Federal Research Contracts/Grants

\$865,750.00 - Department of Education, Office of Educational Research and Improvements, National Institute of Education, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1983 through 30 November 1983. (Project 763385 - Continuation)

\$346,986.00 - National Foundation for the Arts and Humanities, National Endowment for the Humanities, Washington, D. C., Individualized Materials for Seven Less Commonly Taught Slavic and East European Languages, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 1 March 1983 through 31 October 1984. (Project 763478 - New)

\$269,047.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Stochastic Fourier Transform Ion Cyclotron Resonance Mass Spectrometry, Department of Chemistry (A. G. Marshall), 1 April 1983 through 31 March 1984. (Project 763504 - New)

\$197,188.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center and Fellowships Program - Slavic and East European Studies, Department of Slavic and East European Languages and Literatures (L. I. Twarog) and Graduate School Administration (J. B. LaPidus), 15 August 1983 through 14 August 1984. (Project 763534 - Continuation)

\$134,967.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center and Fellowship Program - East Asia, Graduate School Administration (J. B. LaPidus), University Center for International Studies (J. S. Adams) and Department of Anthropology (C. Chen), 15 August 1983 through 14 August 1984. (Project 763533 - Continuation)

\$123,774.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, The Immune Complex Mediated Glomerulopathies, Department of Medicine (L. A. Herbert), 1 April 1983 through 31 March 1984. (Project 761786 - Continuation)

\$99,462.00 - Department of Education, Office of Postsecondary Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center and Fellowships Program - Middle East Studies, Graduate School Administration (J. B. LaPidus), University Center for International Studies (J. S. Adams) and Department of History (S. F. Dale), 15 August 1983 through 14 August 1984. (Project 763536 - Continuation)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$94,440.00 - National Science Foundation, Washington, D. C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 August 1983 through 31 July 1984. (Project 762803 - Continuation)

\$92,606.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Unsaturated Fatty Acids, Prostaglandins and Diabetes, Department of Physiological Chemistry (H. W. Sprecher), 1 April 1983 through 31 March 1984. (Project 760745 - Continuation)

\$92,171.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Molecular Biology of Organellar Translocation, Department of Microbiology (B. R. Oakley), 1 April 1983 through 31 March 1984. (Project 763502 - New)

\$91,624.00 - Department of Education, Office of Special Education and Rehabilitation Services, Office of Special Education, Washington, D. C., Project Transition, Academic Faculty of Exceptional Children and School of Health, Physical Education, and Recreation (P. Jansma) and School of Health, Physical Education, and Recreation (W. F. Ersing), 1 July 1983 through 31 August 1984. (Project 763505 - New)

\$91,489.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Post-Transcriptional Control in Eukaryotic Cells, Department of Physiological Chemistry (T. E. Webb and D. E. Schumm), 1 April 1983 through 31 March 1984. (Project 760063 - Continuation)

\$88,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Fundamental Studies of High-Temperature Corrosion Reactions, Department of Metallurgical Engineering (R. A. Rapp), 1 May 1983 through 30 April 1984. (Project 761619 - Continuation)

\$86,411.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institutes, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO<sub>2</sub> Concentration, Department of Physiology (A. L. Kunz), 1 April 1983 through 31 March 1984. (Project 761572 - Continuation)

\$85,932.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Bio-transformation of m-AMSA and Related Analogues, College of Pharmacy (L. Malspeis), 1 April 1983 through 31 March 1984. (Project 762091 - Continuation)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$84,100.00 - National Science Foundation, Washington, D. C., Ductile Fracture and Hydrogen Embrittlement, Department of Metallurgical Engineering (J. P. Hirth), 1 April 1983 through 31 March 1984. (Project 761528 - Continuation)

\$83,237.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Diazo, Triazeno, and Novel Heterocyclic Compounds, Department of Chemistry (H. Shechter), 1 April 1983 through 31 March 1984. (Project 762793 - Continuation)

\$70,411.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis Studies in Anthracycline Chemistry, Department of Chemistry (J. S. Swenton), 1 April 1983 through 31 March 1984. (Project 761021 - Continuation)

\$70,324.00 - Department of Agriculture, Washington, D. C., Institution Support from the Animal Health and Disease Research Act of 1977, College of Veterinary Medicine - Administration (R. A. Wright), Department of Veterinary Clinical Sciences (G. F. Hoffsis), and Department of Veterinary Pathobiology (C. C. Capen), 1 March 1983 through 30 September 1983. (Project 762621 - Continuation)

\$69,471.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Epstein-Barr Virus DNA in Transfected Cells, Department of Medical Microbiology and Immunology (R. Glaser), 1 April 1983 through 31 March 1984. (Project 762623 - Continuation)

\$66,107.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Hydrogen Attack of Steel, Department of Metallurgical Engineering (P. G. Shewmon), 1 June 1983 through 31 May 1984. (Project 763079 - Continuation)

\$64,035.00 - National Science Foundation, Washington, D. C., Competition, Predation, and the Relative Abundance of Sunfishes, Department of Zoology (R. A. Stein and G. G. Mittelbach), 1 May 1983 through 30 April 1985. (Project 762677 - Continuation)

\$59,948.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, A Study of Internal and Distributed Damping for Vibrating Turbomachinery Blades, Department of Engineering Mechanics (A. W. Leissa), 15 April 1983 through 14 April 1984. (Project 763518 - New)

\$48,420.00 - National Science Foundation, Washington, D. C., Study of a Gas-Liquid-Solid Fluidized Bed Containing a Binary Mixture of Particles, Department of Chemical Engineering (L. S. Fan), 1 May 1983 through 30 April 1984. (Project 763527 - New)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants

\$47,000.00 - Department of Housing and Urban Development, Washington, D. C., Indefinite Quantity Contract for Housing Finance Research, Academic Faculty of Finance (R. L. Racster), 31 March 1983 through 31 March 1984. (Project 763508 - New)

\$46,000.00 - National Science Foundation, Washington, D. C., Diffractive Spectro-electrochemistry, Department of Chemistry (R. L. McCreery), 1 April 1983 through 31 March 1984. (Project 763063 - Continuation)

\$45,618.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Improvement of Knowledge Regarding Earth's Gravity Field from Terrestrial and Satellite Data, Department of Geodetic Science and Surveying (R. H. Rapp), 1 June 1983 through 31 May 1984. (Project 760056 - Continuation)

\$42,385.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Cellular PD and Ion Activities in Renal Proximal Tubules, Department of Physiology (B. A. Biagi), 1 April 1983 through 31 March 1984. (Project 763050 - Continuation)

\$37,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Intercomparison of Different Space Geodetic Measurement and Computational Data, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1983 through 30 June 1984. (Project 761054 - Continuation)

\$36,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1982 through 30 November 1983. (Project 760022 - Continuation)

\$25,000.00 - Department of the Navy, Naval Weapons Center, China Lake, California, Mathematical Models to Predict the Near Field and Far Field RF Characteristics of Realistic Jet Intakes, Department of Electrical Engineering, Electro-Science Laboratory, (P. Pathak), 1 February 1983 through 31 January 1984. (Project 763530 - New)

\$23,523.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Bureau of Health Professions, Hyattsville, Maryland, Pre-Clinical to Clinical Medicine: A Transitional Curricular Component, Department of Family Medicine (L. L. Gabel), 1 July 1983 through 30 June 1984. (Project 762756 - Continuation)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Federal Research Contracts/Grants (contd)

\$21,800.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Evaluation of Airfoil Profiles, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 1 April 1983 through 31 July 1983. (Project 763511 - New)

\$19,380.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Advances in Otitis Media: Symposium/Research Conference, Department of Otolaryngology (D. J. Lim and W. H. Saunders), 1 April 1983 through 31 March 1984. (Project 763514 - New)

\$13,800.00 - National Science Foundation, Washington, D. C., The Arithmetic of Function Fields, Department of Mathematics (D. Goss), 1 April 1983 through 31 March 1984. (Project 763515 - New)

\$12,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, The Pathogenesis of Oral and Dental Diseases, College of Dentistry - Oral Biology (S. Rosen), 1 April 1983 through 31 March 1984. (Project 763512 - New)

\$10,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Carbon Dioxide and Nitrogen Spectra at Different Temperatures and Mixing Ratios, Department of Physics (K. N. Rao), 1 March 1983 through 30 November 1983. (Project 763531 - New)

\$9,609.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine - Administration (R. A. Wright), 1 April 1983 through 31 March 1984. (Project 762776 - Continuation)

\$8,954.00 - Department of the Army, Army Corps of Engineers, Fort Sheridan, Illinois, Armed Services Vocational Aptitude Battery Advisory Panel to Review the Quality of Armed Services Vocational Aptitude Battery and Its Promotional Materials, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1983 through 30 September 1983. (Project 763319 - Continuation)

\$8,520.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Steric Course of Nucleic Acid Methylation by Carcinogens, Department of Chemistry (H. G. Floss and T. M. Zydowsky), 24 May 1983 through 22 November 1983. (Project 763317 - Continuation)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$7,182.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Resident Program in Natural Resources Education for Minority Youth, School of Natural Resources (M. L. Bowman-Cowen and C. L. Shepard), 15 April 1983 through 15 October 1983. (Project 763525 - New)

\$2,500.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Advances in Otitis Media: Symposium/Research Conference, Department of Otolaryngology (D. J. Lim and W. H. Saunders), 1 April 1983 through 31 March 1984. (Project 763514 - Continuation)

**TOTAL - FEDERAL AWARDS**

**\$3,792,171.00**

**State of Ohio Research Contracts/Grants**

\$41,421.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Martin Essex School for the Gifted, Academic Faculty of Exceptional Children (T. M. Stephens), 1 April 1983 through 31 March 1984. (Project 763519 - Continuation)

\$8,345.00 - The Ohio Humanities Council, Columbus, Ohio, Religion in the Modern World (Conference), Division of Comparative Studies in the Humanities (M. R. Waldman), 4 December 1982 through 30 June 1983. (Project 763490 - New)

\$3,252.00 - The Ohio Humanities Council, Columbus, Ohio, Conference on "Jewish Immigration to America," College of Humanities - Administration (A. Shapiro), 5 March 1983 through 31 May 1983. (Project 763521 - New)

\$1,977.00 - State of Ohio, Department of Mental Health, Office of Program Evaluation and Research, Columbus, Ohio, Social Relations, Perceived Social Competence and Conceptions of Friendship in Learning Disabled Children, Department of Psychology (F. C. Serafica and S. G. Hoyle), 1 March 1983 through 30 June 1983. (Project 763482 - New)

**TOTAL - STATE OF OHIO AWARDS**

**\$ 54,995.00**

**Industrial Research Contracts/Grants**

\$333,489.00 - Price Waterhouse and Company, Washington, D. C., ARAMCO Training Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1983 through 31 August 1983. (Project 763094 - Continuation)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$81,111.00 - Pennwalt Corporation, Philadelphia, Pennsylvania, Insect Cell Culture, Department of Entomology (W. F. Hink), 1 May 1983 through 30 April 1984. (Project 762159 - Continuation)

\$79,642.00 - Research Planning Institute, Inc., Columbia, South Carolina, Components of a Training Program on Aquaculture for Peace Corps Volunteers, The National Center for Research in Vocational Education (R. E. Taylor), 23 March 1983 through 15 December 1983. (Project 763501 - New)

\$20,468.00 - W. L. Gore & Associates, Inc., Flagstaff, Arizona, The Evaluation of Gore-tex Peritoneal Catheters, Department of Medicine (W. H. Bay), 1 April 1983 through 31 December 1983. (Project 763506 - New)

\$16,000.00 - Union Carbide Corporation, Oak Ridge, Tennessee, Study the Relationships between Fracture Mechanics and Ultrasonic Parameters of Graphnol, Department of Welding Engineering (L. Adler), 1 March 1983 through 30 September 1983. (Project 763507 - New)

\$14,772.00 - Eastman Kodak Company, Eastman Chemicals Division, Kingsport, Tennessee, Effect of Combinations of Rumen-Stable Methionine and Lysine on the Feedlot Performance of Finishing Steers Fed a Corn-Based Diet, Department of Animal Science (OARDC) (S. C. Loerch), 31 March 1983 through 1 September 1983. (Project 763529 - New)

\$9,441.74 - Burroughs Wellcome Company, Research Triangle Park, N. C., A Study to Determine the Safety and Efficacy of Multiple Oral Doses of Rythmatine (Meobentine Sulfate) in Patients with Stable Ventricular Arrhythmias, Department of Medicine (S. F. Schaal), 1 September 1982 through 30 June 1983. (Project 763335 - Continuation)

\$8,300.00 - Wyeth Laboratories, Philadelphia, Pennsylvania, Oxaprozin Protocol Study, Department of Obstetrics and Gynecology (M. H. Kim), 19 March 1982 through 18 March 1983. (Project 763130 - Continuation)

\$6,625.00 - Merck & Company, Inc., West Point, Pennsylvania, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass, J. L. Plouffe and M. F. Para), 1 May 1982 through 31 May 1983. (Project 763181 - Continuation)

\$1,561.60 - Abbott Laboratories, North Chicago, Illinois, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass and J. L. Plouffe), 1 March 1983 through 30 April 1983. (Project 763020 - Continuation)

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

Industrial Research Contracts/Grants (contd)

\$616.00 - CSG Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1983 through 31 December 1984. (Project 763026 - Continuation)

TOTAL - INDUSTRIAL AWARDS

\$ 572,026.34

Other Non-Federal Research Contracts/Grants

\$145,830.00 - Electric Power Research Institute, Palo Alto, California, An Advanced Prototype System for Locating and Mapping Underground Obstacles, Department of Electrical Engineering, ElectroScience Laboratory (R. Caldecott), 1 January 1983 through 31 December 1983. (Project 760604 - Continuation)

\$50,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, John W. Galbreath Program in Birth Defects, College of Medicine - Administration (M. Tzagournis), 1 April 1983 through 31 March 1984. (Project 763526 - Continuation)

\$47,155.00 - City of Columbus, Department of Finance, Columbus, Ohio, Quality of Working Life Demonstration Effort, Department of Communication (D. M. Ronchi), 1 January 1983 through 31 December 1984. (Project 760790 - Continuation)

\$39,680.00 - City of Columbus, Department of Development, Columbus, Ohio, Area Commission Intern Program, Department of City and Regional Planning and School of Architecture - Administration (S. I. Gordon), 1 April 1983 through 31 March 1984. (Project 763520 - New)

\$29,995.00 - National Association of Regulatory Utility Commissioners, Washington, D. C., NARUC State Member Support of the NRRRI through Regularized State-Provided Contributions, National Regulatory Research Institute (D. N. Jones), 1 July 1982 through 30 June 1983. (Project 763289 - Continuation)

\$29,686.00 - American Lung Association, New York, New York, Application of Monoclonal Antibodies to *Legionella Pneumophila*, Department of Medicine (M. F. Para), 1 July 1983 through 30 June 1985. (Project 763503 - New)

\$23,550.00 - Iowa State University, Ames Laboratory, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 April 1983 through 30 September 1983. (Project 763374 - Continuation)



June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$9,329.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Multicenter Preterm Birth Prevention Trial, Department of Obstetrics and Gynecology (J. D. Iams), 1 January 1983 through 30 June 1983. (Project 763334 - Continuation)

\$8,000.00 - Lakeland Community College, Mentor, Ohio; Triton College, River Grove, Illinois; Utah Technical College at Provo, Provo, Utah; Butler County Community College, El Dorado, Kansas, National Alliance of Postsecondary Education Institutional/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1982 through 30 June 1983. (Project 763137 - Continuation)

\$7,000.00 - Cancer Therapy and Research Center, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Medicine (S. P. Balcerzak), 1 December 1982 through 30 November 1984. (Project 763513 - New)

\$5,000.00 - Family Health Foundation of America, Kansas City, Missouri, Learned Alterations of the Electrogastragram Using Operant Conditioning Methods, Department of Family Medicine (L. Vande Creek), 1 May 1983 through 30 April 1984. (Project 763522 - New)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 395,225.00

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$64,321.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for Extension No. 3 of "Evaluation of Asphalt Pavement Recycling in Ohio: A Laboratory and Field Investigation," coordinated by Transplex and under the direction of the Department of Civil Engineering, September 3, 1982 through March 3, 1984. (529079, Ext. 3)

**Industrial and Other Sponsored Research and Development**

\$201,401.00 - from 48 industrial sponsors for 58 development projects under the direction of seven engineering departments and research areas.

June 9, 1983 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

#### Federal and State Contracts/Grants

\$37,000.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, continued support of a study on evolution of leafhoppers and stunting pathogens with maize and its ancestors, Department of Entomology, through June 30, 1984. (Cooperative Agreement No. 81-CRCR-1-0646)

\$4,500.00 - Michigan Department of Agriculture, Lansing, Michigan, support of a study to combine research and survey information on PCB contaminated silos to develop public policy relating to the safe and effective disposal of these structures, Department of Dairy Science, April 18 to July 31, 1983.

TOTAL - STATE AND FEDERAL CONTRACTS/GRANTS \$41,500.00

#### Gifts

\$10,000 from Foundation for Agronomic Research, Atlanta, GA

\$ 8,250 from Zoecon Corporation, Palo Alto, CA

\$ 5,750 from Chevron Chemical Company, Richmond, CA

\$ 5,000 from Diamond Shamrock, Cleveland, OH

\$ 5,000 from Potash & Phosphate Institute, Atlanta, GA

TOTAL - GIFTS \$34,000.00

#### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

##### Establishment of Named Funds

##### The Durr Memorial Research Fund for Poultry Science

The Durr Memorial Research Fund for Poultry Science was established June 9, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the estate of Roy M. Durr, B.S.Agr., 1926, Atlanta, Georgia.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to support research programs in the Department of Poultry Science in the College of Agriculture and Home Economics. The expenditure of funds is to be approved by the Department Chairman and the Dean of the College of Agriculture and Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University then directly responsible for the Department of Poultry Science.

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Carl M. Bohner Memorial Fund**

The Carl M. Bohner Memorial Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the estate of Carl M. Bohner, B.A., Arts and Sciences (Chemistry), 1918, Clearwater, Florida.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income from the fund is to be used to provide scholarships for students enrolled in the College of Engineering who have demonstrated academic ability and/or need for financial assistance.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for engineering education.

**The Helen P. Alkire Scholarship Fund**

The Helen P. Alkire Scholarship Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and alumni in honor of Helen P. Alkire in recognition of her distinguished leadership and service to students in the College of the Arts, Department of Dance.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest, and reinvest as occasion dictates.

The annual income is to be awarded on a merit basis to one or more talented students who are or will become majors in the Department of Dance. Both undergraduate and graduate students are eligible to receive the scholarships.

Recipients will be determined by established procedures within the Department of Dance, with approval by the Chairman of the Department in consultation with the appropriate dance faculty, and with the approval of the Dean of the College of the Arts.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for dance education.

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Ruth and LeRoy Bradford Fund**

The Ruth and LeRoy Bradford Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estates of Henry LeRoy Bradford, J.D., 1914, and his wife, Ruth W. Bradford, Arts, 1919, Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the University Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for scholarship awards to qualified students who are members of the football or basketball squads. Selection of the scholarship recipients is to be made by the University Scholarship Committee in consultation with the Director of Athletics. Should there not be a qualified student from the Department of Athletics in any given year or should intercollegiate athletics be abandoned at The Ohio State University, the University Scholarship Committee can then award the scholarships to worthy and qualified students at The Ohio State University.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University then responsible for student financial aids.

**Mary S. Wright Scholarship Fund**

The Mary S. Wright Scholarship Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from the estate of Miss Mary S. Wright, Cincinnati, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide scholarship assistance to deserving students who are attending the University. The Scholarship recipients may be students in any college at the University who are good students and have demonstrated financial need. The selection of the recipients is to be made upon the recommendation of the University Scholarship Committee with preference being given to those students who reside in the rural communities of Ohio.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official(s) of the University then directly responsible for student assistance.

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**Biological Sciences Student Activities Fund**

The Biological Sciences Student Activities Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni and friends of the College of Biological Sciences.

Gifts to this fund are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for support of activities of students in the College of Biological Sciences. The Dean of the College of Biological Sciences is authorized to utilize the principal amount of the endowment if necessary, and will have sole authority to approve expenditures from the fund.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for biological sciences education and research.

**The Phi Kappa Phi OSU Chapter Scholarship Fund**

The Phi Kappa Phi OSU Chapter Scholarship Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The Ohio State University Chapter of the Honor Society of Phi Kappa Phi.

These gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a scholarship(s) to undergraduate students at any of the campuses of The Ohio State University. The scholarship(s) are to be awarded to students exhibiting academic excellence in any baccalaureate field of study. Financial need is not to be a criterion in the selection of the recipient(s), nor is membership in Phi Kappa Phi. Selection of recipients is to be made by the University Committee on Student Financial Aids upon the recommendation of the Awards Committee of Phi Kappa Phi.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to programs to support and encourage the academic achievement of undergraduate students.

June 9, 1983 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The Ralph H. Grimshaw Award

The Ralph H. Grimshaw Award was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund under the leadership of The Ohio Sheep Improvement Association. The award is established to honor Ralph H. Grimshaw, B.S.Agr., 1931, (M.S. Michigan State University, 1959), Professor Emeritus, Department of Animal Science.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used to provide awards to graduate students in animal science with preference given to those enrolled in or planning to enroll in a graduate program related to sheep or other ruminant animals. Also important in the selection of the award recipient(s) will be level of scholarship achievement and an interest in a career related to animal science including extension specialist, resident teacher, research, Cooperative Extension Service, livestock production, business and industry. The recipient(s) will be determined by the Animal Science Scholarship and Student Recognition Committee. One of the Committee members selecting the recipient(s) must be a faculty member responsible for a sheep program in resident instruction, extension or research. Requisitions for awards are to be approved by the Dean of the College of Agriculture and Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for animal science education.

##### The R. C. Miller Agricultural Engineering Student Award Fund

The R. C. Miller Agricultural Engineering Student Award Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, friends, and industry in honor of R. C. Miller, Professor Emeritus.

All gifts are to be invested in the University's Permanent Endowment Fund under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide funds for an award to a Senior Agricultural Engineering Student. Selection of the recipient shall be made by the Agricultural Engineering Department Resident Instruction Committee with the approval of the Chairman of the Department of Agricultural Engineering.

June 9, 1983 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The R. C. Miller Agricultural Engineering Student Award Fund (contd)

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Agriculture and Home Economics and the Department of Agricultural Engineering.

##### Ohio Biological Survey Endowment Fund

The Ohio Biological Survey Endowment Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and supporters of the Ohio Biological Survey.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for those purposes which will aid the publishing, research, and service programs and facilities of the Ohio Biological Survey. Expenditure of the annual income is to be made upon the authorization of the Executive Director of the Ohio Biological Survey in cooperation with the Advisory Board of the Ohio Biological Survey and with the approval of the Dean of the College of Biological Sciences of The Ohio State University. Invasion of the principal amount of the endowment, if necessary, will be authorized only upon written approval of the Executive Director and the Chair of the Advisory Board of the Ohio Biological Survey and the Dean of the College of Biological Sciences of The Ohio State University.

Should the need for the Fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees of The Ohio State University, with preference being given to recommendations from the appropriate administrative official of The Ohio State University who then has primary responsibility for biological museums and curatorial services and/or taxonomic and organismic research.

##### The Rosemarie Sena Endowed Scholarship Fund

The Rosemarie Sena Endowed Scholarship Fund was established June 9, 1983, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Rosemarie Sena.

June 9, 1983 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Rosemarie Sena Endowed Scholarship Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for one or more scholarships for an undergraduate student(s) enrolled full time in the College of Humanities with a major course of study in English. The selection of the recipient(s) of the scholarship will be made by a committee from the Department of English in conjunction with the University Scholarship Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University then directly responsible for the Department of English.

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**EMPLOYMENT OF ARCHITECT/ENGINEER  
AND REQUEST FOR CONSTRUCTION BIDS  
NUCLEAR MAGNETIC RESONANCE FACILITY**

Resolution No. 83-148

*Synopsis: Authorization to employ an architectural firm and request construction bids is proposed.*

WHEREAS The Ohio State University is acquiring a nuclear magnetic resonance imaging device which will significantly enhance the University's efforts in biological and medical research; and

WHEREAS a new facility will be required to house the nuclear magnetic resonance imaging unit, and this facility must be constructed of non-magnetic materials and provide radio frequency shielding to ensure proper operation of the unit; and

WHEREAS funding for this facility will be provided from University funds:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Finance be authorized to select qualified architectural and engineering firms for this project; and



June 9, 1983 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER  
AND REQUEST FOR CONSTRUCTION BIDS  
NUCLEAR MAGNETIC RESONANCE FACILITY (contd)**

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to proceed with the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND  
REQUEST FOR CONSTRUCTION BIDS  
UNIVERSITY HOSPITALS, 7TH FLOOR RENOVATION**

Resolution No. 83-149

*Synopsis: Authorization to employ an architectural firm and request construction bids is proposed.*

WHEREAS The Ohio State University Hospitals has requested work be continued on the renovation of University Hospitals; and

WHEREAS this work will include renovation of the center and west sections of the seventh floor of University Hospitals to upgrade the patient-care facilities to meet present code requirements and medical criteria; and

WHEREAS funding for this work will be provided from University Hospital funds:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Finance be authorized to proceed to select a qualified architectural firm for this project in conjunction with the Department of Administrative Services and that the fees for this architectural service be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Finance be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Redman, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PLANS AND SPECIFICATIONS**

Resolution No. 83-150

*Synopsis: Approval of plans and specifications for the following projects is proposed.*

WHEREAS at the request of the Vice President for Business and Finance, the President recommended that the Board of Trustees approve the plans and specifications, bills of materials, and estimates of cost for the following projects:

**SAWTOOTH REPLACEMENT, PHASE II**

**Project:** Demolition of the sixty-year-old portion of McPherson Chemistry Laboratory (Sawtooth) and construction of a new four-story facility for Chemistry. The demolition is planned to be completed in August, 1983; construction bids are anticipated in September, 1983; construction is to start in November, 1983, with completion of the work by October, 1985.

**Funding:** Amended Substitute House Bill 552

**Estimated Project Cost:** \$15,600,000.00

**TOWNSHEND HALL RENOVATION**

**Project:** This remodeling work will improve classrooms, accommodate the Department of Psychology and improve access for the handicapped. The total building will be renovated. The bids are expected to be received in July, 1983; construction anticipated to start in September, 1983, with completion of the work by November, 1984.

**Funding:** Amended Substitute House Bill 552, Utilities and Renovation

**Estimated Project Cost:** \$3,144,000.00

**RECREATIONAL FIELD, SOUTH OF OHIO STADIUM**

**Project:** Regrading and drainage of the area south of the Ohio Stadium and west of Larkins Hall for multiple purpose recreational use and sports events.

**Funding:** Account 882047, Local University Funds

**Estimated Project Cost:** \$275,000.00

June 9, 1983 meeting, Board of Trustees

**PLANS AND SPECIFICATIONS (contd)**

**HEALTH CENTER STORM SEWER AND PERRY STREET IMPROVEMENTS**

Project: Installation of new storm sewer to relieve the flooding conditions at Rhodes Hall emergency entrance and installation of new curbs, walks, and resurfacing of Perry Street after sewer construction is completed.

Funding: H.B. 552, Utilities and Renovation - \$141,058.00 and Local University Funds \$33,000.00.

Estimated Project Cost: \$174,058.00

**COLLEGE ROAD, BUS PULLOUTS**

Project: Construction of three bus pullout areas to provide bus stops clear of vehicular traffic.

Funding: Account 210134, Contract Repair

Estimated Project Cost: \$80,000.00

**CAMPUS ENTRANCE RENOVATIONS  
TUTTLE PARK PLACE AND LANE AVENUE  
KING AVENUE AND CANNON DRIVE**

Project: Paving, lighting, and construction of limestone entrance wall panels with the University logo to enhance the identification of these areas as entrances to the campus and to improve traffic flow and security at these entrances.

Funding: Account 885200

Estimated Project Cost: \$76,500.00

**NOW THEREFORE**

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the projects listed above be approved and that the President and/or Vice President for Business and Finance be authorized to sign the plans and specifications for these projects and, in accordance with established University procedures, to request bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts; and

BE IT FURTHER RESOLVED, That this action be reported to the Board at a later meeting.

Upon motion of Mr. Redman, seconded by Mr. Immke, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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June 9, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 83-151

*Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.*

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**EVANS LABORATORY  
AIR CONDITION AND VENTILATION SYSTEM**

Description: This project will provide air conditioning and ventilating systems in Evans Laboratory, which houses the Department of Chemistry, to meet existing codes and environmental standards.

**General Contract**

Date Received:	April 29, 1983
No. of Bids:	5
Low Bid:	\$ 134,920.00
High Bid:	\$ 278,500.00
Estimate of Cost:	\$ 155,520.00
Awarded to:	Righter Co., Columbus, Ohio

**Plumbing Contract**

Date Received:	April 29, 1983
No. of Bids:	3
Low Bid:	\$ 19,996.00
High Bid:	\$ 28,000.00
Estimate of Cost:	\$ 34,400.00
Awarded to:	J. A. Croson, Columbus, Ohio

June 9, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**EVANS LABORATORY  
AIR CONDITION AND VENTILATION SYSTEM (contd)**

HVAC Contract

Date Received:	April 29, 1983
No. of Bids:	6
Low Bid:	\$ 798,000.00*
High Bid:	\$ 962,000.00*
Estimate of Cost:	\$ 665,000.00*
Awarded to:	Farber Corporation, Columbus, Ohio

Electric Contract

Date Received:	April 29, 1983
No. of Bids:	7
Low Bid:	\$ 139,670.00
High Bid:	\$ 174,680.00
Estimate of Cost:	\$ 175,080.00
Awarded to:	Royal Electric Construction, Columbus, Ohio

Total All Contracts: \$1,092,556.00\*

Total Contingency Allowance: \$ 47,552.74 (which is 4 per cent of construction costs)

Total Project Cost: \$1,276,081.76\*

Funding: HB 552 - U & R

\* Recommended alternate reflected in this figure.

June 9, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**MOLLY CAREN AGRICULTURAL CENTER - FARM SCIENCE REVIEW SITE  
ELECTRICAL DISTRIBUTION SYSTEM**

Description: This project will provide electric service for the Farm Science Review operation through the installation of a primary and secondary electrical distribution system.

**Electrical Contract**

Date Received:	April 5, 1983
No. of Bids:	8
Low Bid:	\$219,975.00*
High Bid:	\$292,950.00*
Estimate of Cost:	\$340,500.00*
Awarded to:	Certified Electric, Dayton, Ohio
Total Contract:	\$219,975.00
Total Contingency Allowance:	\$ 18,343.67 (which is 8 per cent of construction costs)
Total Project Cost:	\$242,000.00
Funding:	Budget Account 885196

**CHILD DEVELOPMENT LABORATORY**

Description: This project includes the remodeling or reconfiguration of various rooms located in Campbell Hall to make space more efficient and reassignment of existing outdoor courtyard areas into outdoor play areas.

**General Contract**

Date Received:	March 25, 1983
No. of Bids:	2
Low Bid:	\$ 60,420.00*
High Bid:	\$ 77,350.00*
Estimate of Cost:	\$ 64,061.00*
Awarded to:	Garnett Potter, Columbus, Ohio

\* Recommended alternates reflected in these figures.

June 9, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**CHILD DEVELOPMENT LABORATORY (contd)**

Plumbing Contract

Date Received:	March 25, 1983
No. of Bids:	1
Bid:	\$ 18,633.00
Estimate of Cost:	\$ 18,776.00
Awarded to:	Edmonds Mechanical Contractor, Inc., Dayton, Ohio

HVAC Contract

Date Received:	March 25, 1983
No. of Bids:	1
Bid:	\$ 18,830.00*
Estimate of Cost:	\$ 15,155.00*
Awarded to:	Edmonds Mechanical Contractor, Inc., Dayton, Ohio

Electrical Contract

Date Received:	March 25, 1983
No. of Bids:	2
Low Bid:	\$ 20,561.00*
High Bid:	\$ 23,000.00*
Estimate of Cost:	\$ 19,928.00*
Awarded to:	J & L Electric Co., Grove City, Ohio

Total All Contracts: \$118,444.00\*

Total Contingency Allowance: \$ 6,500.00 (which is 5 per cent of construction costs)

Total Project Cost: \$156,834.01

Funding: Amended Substitute House Bill 552 and local University funds

\* Recommended alternates reflected in these figures.

June 9, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**NEWARK CAMPUS - FOUNDERS HALL  
REPLACE FRONT STEPS AND HANDICAP RAMP**

Description: Due to deterioration of the front entry steps this project is necessary to replace the front steps and add a handicap ramp entrance to Founders Hall.

General Contract

Date Received:	April 13, 1983
No. of Bids:	8
Low Bid:	\$ 69,400.00*
High Bid:	\$ 96,025.00*
Estimate of Cost:	\$ 95,700.00*
Awarded to:	E. Mast & Sons Construction, Zanesville, Ohio
Total Contract:	\$ 69,400.00*
Total Contingency Allowance:	\$ 9,716.76 (which is 14 per cent of construction costs)
Total Project Cost:	\$ 94,705.00*
Funding:	HB 552 Branch Campus U & R

\*Recommended alternates reflected in this figure.

**WOODRUFF AVENUE - REPAIR AND RESURFACE  
NEIL AVENUE TO HIGH STREET**

Description: To repair damaged areas of Woodruff Avenue, from Neil Avenue to High Street, and install an asphalt overlay. This is the final phase of the Woodruff Avenue sidewalk, curb, and road repairs.

General Contract

Date Received:	April 20, 1983
No. of Bids:	6
Low Bid:	\$ 45,814.00
High Bid:	\$ 62,850.00
Estimate of Cost:	\$ 56,800.00
Awarded to:	Gaddis & Sons, Columbus, Ohio



June 9, 1983 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**WOODRUFF AVENUE - REPAIR AND RESURFACE  
NEIL AVENUE TO HIGH STREET (contd)**

Total Contract: \$ 45,814.00  
Total Contingency Allowance: \$ 3,665.52 (which is 8 per cent of construction costs)  
Total Project Cost: \$ 51,233.00  
Funding: B/A 210134 (Local)

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

Upon motion of Mr. Hilliker, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EXPENDITURE AUTHORIZATION 1983-84**

Resolution No. 83-152

*Synopsis: Authorization to make interim expenditures in Fiscal Year 1983-84 is requested.*

WHEREAS levels of State financial support for 1983-84 have not yet been established; and

WHEREAS this University must proceed with its budget planning for 1983-84 even with the current uncertainties in State revenues; and

WHEREAS it is necessary to authorize expenditures for 1983-84 to be effective July 1, 1983, including payment of faculty and staff, prior to the time that this Board adopts the Current Funds Budget for 1983-84:

**NOW THEREFORE**

BE IT RESOLVED, That the University be authorized to make expenditures consistent with the budget guidelines and the Tentative University Current Funds Budget for Fiscal Year 1983-84, as described in the accompanying text and tables, effective July 1, 1983; and

BE IT FURTHER RESOLVED, That the President will present as soon as possible to the Board of Trustees the final version of the Current Funds Budget for 1983-84 with adjustments as may be necessary as a result of the final actions of the General Assembly and Governor of the State of Ohio.

Upon motion of Mr. Redman, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

## STATEMENT OF BUDGET GUIDELINES/PRINCIPLES FOR 1983-84

### *I. Introduction*

The Ohio State University budget guidelines, along with a tentative budget for 1983-84, are again being recommended to this Board of Trustees before State funding levels are known. This is the third year in a row that a tentative budget has had to be presented for Board approval. While reluctant to request the Board to consider another preliminary budget, the lack of a final State appropriations bill for the coming biennium, coupled with the need for the University to have a budget in place by July 1, 1983, has forced us to proceed.

As reported previously to the members of this Board, the University has been in the difficult position of having to cut budgets four times during the 1981-83 biennium, as a result of shortfalls in State revenues. These excessive budget reductions have created uncertainties and significant hardships throughout all areas of the University. We remain concerned that State funding in support of higher education be appropriated at a level which will allow the University to avoid further deep budget cuts or excessive student fee increases, especially in the second year of the 1983-85 biennium.

Recent actions by the Ohio House of Representatives have resulted in an additional \$75 million in State support for higher education over the Governor's original recommendation; but this level of funding for 1983-84 in House Bill 291 still remains some \$6.0 million below Ohio State's original appropriation of the current fiscal year. University efforts in the Senate continue to be directed toward achieving the amount of State support for higher education recommended by the Board of Regents. If successful, this would add another \$138 million for higher education in Ohio. However, since the Senate has not yet voted, we have been forced to develop 1983-84 budget plans using the inadequate funding levels in House Bill 291.

The Regents' recommended State support would enable Ohio State to make significant progress in restoring budget stability over the biennium. This University would be able to enhance efforts to hold down the rates of future increases in student fees to preserve the University's land-grant mission of accessibility, and to make progress in reducing Ohio State's fee ranking in the Big Ten. Most importantly, this added support would contribute significantly to returning the average percentage of college costs which Ohio students--and their parents--must bear from the current 47 percent to the traditional 33 percent level which existed in 1979.

Added State support also is needed to enable Ohio State to begin restoration of appropriate funding to those areas of excellence and potential excellence which contribute so significantly to this University's longstanding tradition of high academic quality. Through well-established internal processes of regular program review, Ohio State continues to identify areas of particular strength, as well as areas with the potential to move from solid quality over the threshold of significant excellence. The members of the University Fiscal Advisory Committee have expressed their concern that the tentative budget recommendation lacks the resources to make significant progress in this regard. While special efforts have been made to reallocate funds for meeting these needs, the instructional subsidies in House Bill 291 are simply inadequate to enable such areas to make progress toward achieving their potential.

## STATEMENT OF BUDGET GUIDELINES/PRINCIPLES FOR 1983-84 (contd)

In consultation with the University Fiscal Advisory Committee, deans, and vice presidents, this tentative budget recommendation continues the philosophies initiated over the past year. We are committed to emphasizing three key areas: the stability needed for long-term planning; the preservation of Ohio State's great land-grant tradition of accessibility and equal opportunity; and the maintenance and strengthening of excellence through continued attention to faculty and staff salaries as well as equipment and library resources. Since excellence in a University is dependent upon the quality of the faculty and staff, the primary emphasis will be to remain competitive with other outstanding institutions of higher education, even at the cost of further budget reallocations.

Until a State budget bill is in place, it is recommended that this Board authorize the University to begin the fiscal year within the parameters set forth in this Tentative Current Funds Budget for 1983-84 (Schedule A). Once State budget actions are taken in the legislature and approved by the Governor, a final 1983-84 Current Funds Budget will be recommended. We anticipate this will occur at this Board's July meeting.

### *II. Sources of Funds*

The Tentative Current Funds Budget for 1983-84 includes funding sources which total \$709,970,000, using projected revenues from House Bill 291. This level of State support is \$6,360,000 below the amount originally appropriated to The Ohio State University for the 1982-83 fiscal year. While previous budget cuts absorbed by this University will enable us to bring to this Board a balanced budget for 1983-84 once a final budget bill is enacted, the inadequate levels of support included in House Bill 291 will adversely affect the expenditure and student tuition levels for the second year of the biennium. This is especially true for the Regional Campuses.

This University remains committed to keeping student tuition and fees at the lowest possible levels to maintain accessibility. Therefore, the average increase in student fees used in this Tentative Budget is 7 percent, effective Autumn Quarter, 1983. While the Governor's budget was based upon a 12 percent student fee increase, extra cost-cutting efforts within the University, as well as the added instructional subsidies included in the House budget bill, have allowed us to limit this planned tuition increase to 7 percent.

In addition to higher tuition, students face price increases in such other areas as residence halls, health insurance, parking and extracurricular activities. Therefore, continuing the practice initiated last year, increases in normal charges assessed by the University have been limited to a combined average of no more than 7 percent. The tentative budget has been constructed within the 7 percent average rate increase for all University services.

Considering the current uncertainties in State revenues, every effort has been made to create a budget plan which will allow this University to return to budget stability for the entire fiscal year. However, further adverse actions may be necessary for the second year of the biennium if the State funding levels in House Bill 291 are not increased.

June 9, 1983 meeting, Board of Trustees

**STATEMENT OF BUDGET GUIDELINES/PRINCIPLES FOR 1983-84 (contd)**

*III. Uses of Funds*

The planned expenditures for Fiscal Year 1983-84 will enable this University to implement the following budget planning guidelines.

- \* Increase faculty and administrative/professional salaries by an average of 3 percent across-the-board and 4 percent for merit.
- \* Provide classified personnel with appropriate step and longevity increases.
- \* Provide an allowance of 1 percent as a supplemental allocation for special adjustments for designated faculty and administrative/professional staff.
- \* Increase general expense budgets by 8 percent for colleges and offices, plus provide a special catch-up increase of 12 percent for continuing equipment budgets.
- \* Provide special allocation of \$238,000 to maintain the purchasing power of University-funded student financial aid support and a \$4.5 million emergency fund to meet critical needs with emphasis on maintaining quality, providing adequate instructional staff, and supporting accessibility.
- \* Provide resources to meet mandatory General Fund cost increases, such as utilities (\$1.2 million) and employee benefits (\$1.3 million).

This budget plan for 1983-84 includes having the colleges and administrative areas fund from current resources 2 percent of the salary guidelines for faculty and administrative/professional staff on General Fund budgets. This reallocation will total \$2.5 million, of which a contingency fund of \$500,000 has been set aside to assist areas for which such a reallocation would create extraordinary hardships.

Every effort will be made to continue to provide one-time funds for equipment and library acquisitions to maintain this University's progress in the replacement and improvement of these necessary support resources. If State funding is adequate, the budget target is to provide \$7 million in one-time equipment and library funds for 1983-84.

While we applaud the stated goal of the Governor to stabilize State budgets, it is necessary to consider both years of the 1983-85 biennium in budget planning activities for this University. The level of State support currently provided in House Bill 291 creates potentially serious funding problems for the second year (1984-85) of the biennium. Therefore, without additional State funding, either further expenditure reductions will need to be implemented prior to the end of 1983-84 to provide carry-forward resources for the next fiscal year or next year's expenditures and student fee rates will need to be adversely adjusted to accommodate to the funding levels provided in House Bill 291.

If the amount of State support has been determined prior to this Board's July meeting, the final 1983-84 Current Funds Budget will be then recommended for Board action. Until that time, we recommend that expenditures be maintained at continuation levels based upon the planning guidelines included in this tentative budget.

June 9, 1983 meeting, Board of Trustees

**Schedule A**  
**THE OHIO STATE UNIVERSITY**  
**1983-84 TENTATIVE CURRENT FUNDS BUDGET**

**SOURCES OF INCOME**

Columbus Campus		\$276,535,000
Government Sources		
State Appropriations	\$191,342,000	
Federal	66,305,000	
Other Governmental	18,888,000	
Student Fees		110,032,000
Instructional, General & Tuition	105,722,000	
Non-Credit Instruction	4,310,000	
Other Income:		286,663,000
Auxiliary Sales & Charges	63,641,000	
Hospital Sales and Services	154,051,000	
Department and University Services	19,359,000	
Endowment Income	6,834,000	
Private Gifts and Grants	29,998,000	
Temporary Investments	12,000,000	
Other	780,000	
TOTAL COLUMBUS CAMPUS		\$673,230,000
Regional Campuses		
State Appropriations	\$ 6,138,000	
Student Instructional Fees	5,849,000	
All Other	2,237,000	
TOTAL REGIONAL CAMPUSES		\$ 14,224,000
OARDC		
State Appropriations	\$ 12,446,000	
Federal	6,595,000	
All Other	3,475,000	
TOTAL - OARDC		\$ 22,516,000
GRAND TOTAL - INCOME		\$709,970,000

June 9, 1983 meeting, Board of Trustees

**Schedule A**  
**THE OHIO STATE UNIVERSITY**  
**1983-84 TENTATIVE CURRENT FUNDS BUDGET (contd)**

**BUDGETED USES**

Columbus Campus		
Educational and General Expenditures	\$440,300,000	
Auxiliaries	62,383,000	
Hospital	165,269,000	
Mandatory Transfers	4,013,000	
Contingency for 1984-85	8,500,000	
TOTAL COLUMBUS CAMPUS		\$680,465,000
Regional Campuses		
ATI	\$ 3,984,000	
Lima	2,631,000	
Mansfield	3,066,000	
Marion	2,123,000	
Newark	2,589,000	
TOTAL REGIONAL CAMPUSES		\$ 14,393,000
OARDC		\$ 22,750,000
GRAND TOTAL - USES		\$717,608,000

--o--

**RETIREMENT CONTRIBUTION "PICK UP"**

Resolution No. 83-153

*Synopsis: "Pick up" of the employee contribution to the retirement systems is proposed.*

WHEREAS under current statutes it is possible for state institutions, including The Ohio State University, to "pick up" (remit) the employees's share of the required contribution to the state retirement systems; and

WHEREAS under the proposed "pick up" plan, the faculty/staff member's annual salary shall be defined as consisting of (1) a cash salary; and (2) a deferred salary (i.e., the 8.5 percent retirement contribution) which will be remitted by the University on behalf of each faculty/staff member directly to the appropriate retirement system; and

WHEREAS the faculty/staff member's retirement contribution will then not be included as gross income for federal and state income tax purposes until distribution of the benefit at retirement or withdrawal after termination of employment; and

June 9, 1983 meeting, Board of Trustees

**RETIREMENT CONTRIBUTION "PICK UP" (contd)**

WHEREAS the faculty/staff member will pay federal and state taxes based on gross salary excluding the 8.5 percent retirement contributions; and

WHEREAS it is the general consensus of the University administration and faculty and staff members, including the Faculty Compensation and Benefits Committee, that implementation of such a "pick up" plan would substantially benefit University faculty and staff:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Personnel Services shall take the necessary steps to implement the "pick up" of employee contributions to STRS and PERS, and that the "pick up" shall be applicable to all persons who contribute to either of the aforementioned retirement systems; and

BE IT FURTHER RESOLVED, That in accordance with applicable statutes individual faculty/staff members shall not have the option of receiving the contributions directly instead of having such contributions paid by the University to the retirement systems.

Upon motion of Mr. Redman, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EXPRESSION OF APPRECIATION TO D. WAYNE ASHBY, JR.**

Resolution No. 83-154

WHEREAS Mr. D. Wayne Ashby is completing a two-year term of office as president of The Ohio State University Alumni Association; and

WHEREAS Mr. Ashby has also served the Alumni Association for two two-year terms as treasurer, and was the Alumni representative of The Ohio State University Presidential Search Committee in 1981; and

WHEREAS during Mr. Ashby's term of office, The Ohio State University Alumni Association reached its highest total membership of 87,500; and

WHEREAS Wayne Ashby's commitment to and support of the University and its missions have been manifested over the years in numerous other ways:

NOW THEREFORE

BE IT RESOLVED, That D. Wayne Ashby's service as president of the Alumni Association be recognized by this Board as being an effort of exceptional merit and commitment; and

BE IT FURTHER RESOLVED, That the Board's thanks and deep appreciation be conveyed to Mr. Ashby for his outstanding contribution and dedicated support of this University.

Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

--o--

June 9, 1983 meeting, Board of Trustees

**EXPRESSION OF APPRECIATION TO WILLIAM E. MacDONALD**

Resolution No. 83-155

WHEREAS William E. MacDonald has served with exceptional distinction and merit for two years as Chairman of The Ohio State University Development Fund Board of Directors; and

WHEREAS Mr. MacDonald's service, commitment and material contributions to the University are exemplified in numerous other ways, particularly his active involvement in the alumni activities of the College of Administrative Science; and

WHEREAS his association with the University and its various activities has resulted in greatly enhanced ties among the institution, the students and graduates, and the business community at large; and

WHEREAS under the chairmanship of Mr. MacDonald the Development Fund has gone through one of its most dynamic periods of growth and the development of responsive new programs:

NOW THEREFORE

BE IT RESOLVED, That this Board salutes William E. MacDonald upon completion of his service as Chairman of the Development Fund Board of Directors, and conveys to him the deep gratitude and appreciation of the Board of Trustees for his extraordinary dedication to that effort; and

BE IT FURTHER RESOLVED, That this Board anticipates a continued close association with Mr. MacDonald in the years ahead and recognizes that it is loyal alumni, friends and benefactors such as himself who are, from outside of the institution, the major strength and foundation of quality for The Ohio State University.

Upon motion of Mrs. Bowser, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO**

Resolution No. 83-156

RESOLVED, That the report on the University's Investment Portfolio, dated May 20, 1983, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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June 9, 1983 meeting, Board of Trustees

Dr. Jacob read the following letter which he received.



The Ohio State University

University Senate

126 University Hall  
230 North Oval Mall  
Columbus, Ohio 43210-1319

Phone 614 422-2423

June 9, 1983

Dr. John D. Jacob  
Chairman  
Board of Trustees  
113 Archer House  
2130 Neil Avenue  
CAMPUS

Dear Dr. Jacob:

The Steering Committee of the University Senate, acting on behalf of the constituent members of the University Senate, have this date adopted the following resolution:

In light of his devoted service to the University, his leadership, and his outstanding performance during the past academic year, be it hereby resolved that the University Senate Steering Committee send to the Board of Trustees of The Ohio State University a statement of appreciation and commendation on behalf of President Edward H. Jennings.

Respectfully submitted,

University Senate Steering Committee:

Herb B. Asher  
Deborah Cassidy  
Phillip Elmo  
Richard F. Firestone  
John B. Gabel  
Joan E. Gritzmacher  
Diether H. Haenicke  
Vincent V. Hamparian  
Weldon E. Ihrig  
James E. Meeks  
Mildred B. Munday  
Colleen O'Brien  
William M. Protheroe  
Todd A. Shaver

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June 9, 1983 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, July 8, 1983, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott  
Secretary

John D. Jacob, D.D.S.  
Chairman

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